NOTE: These counters are included in the StarOS companion package as an .xls file. The .xls file includes more filter and sort functionality than this PDF.

Bulk Statistics Documentation Spreadsheet (Statistics and Counters Reference - Counter Descriptions, StarOS Release 21.21)

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Bulkstatistics Reference, StarOS Release 21.21

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Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-0	Unknown	The total number of sessions disconnected due to unknown reason.	Int64
system	disc-reason-1	Admin-disconnect	The total number of sessions disconnected due to any of the following reasons: Sessions disconnected when the Administrator issues the clear subscribers all CLI command. Sessions disconnected by ECS due to any of the following reasons: Bearer does not contain active ruleswhen the last bearer has no rules left as part of some PCRF trigger. Charging-action has the flow action parameter configured as terminate-session . Sessions disconnected by Diameter Credit Control Application (DCCA) due to any of the following reasons: Result code 4010 or 4012 is received at the command level, and for CCR-Initial and CCR-Update Credit Control Failure Handling (CCFH) is configured as Terminate or Retry-and-Terminate. Result code 5003 or 5030 is received at the command level. Abort-Session-Request message is received. "	Int64
system	disc-reason-2	Remote-disconnect	The total number of sessions disconnected by a remote system.	Int64
system	disc-reason-3	Local-disconnect	The total number of sessions disconnected by local system.	Int64
system	disc-reason-4	No-resource	The total number of sessions disconnected due to non-availability of resources.	Int64
system	disc-reason-5	Service-limit-exceeded	The total number of sessions disconnected due to exceed in service limit.	Int64
system	disc-reason-6	PPP-LCP-negotiation-failed	The total number of sessions disconnected due to LCP negotiation failed.	Int64
system	disc-reason-7	PPP-LCP-no-response	The total number of sessions disconnected due to no response in PPP-LCP session.	Int64
system	disc-reason-8	PPP-LCP-loopback-detected	The total number of sessions disconnected due to loop back detected in PPP-LCP.	Int64
system	disc-reason-9	PPP-LCP-max-retry-reached	The total number of sessions disconnected due to maximum retries in PPP-LCP session.	Int64
system	disc-reason-10	PPP-LCP-echo-failed	The total number of sessions disconnected due to PPP-LCP echo not received.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-11	PPP-Auth-failed	The total number of sessions disconnected due to authorization failed in PPP.	Int64
system	disc-reason-12	PPP-Auth-failed-no-AAA-response	The total number of sessions disconnected due to authorization failed by no response on AAA server.	Int64
system	disc-reason-13	PPP-Auth-failed-no-peer-response	The total number of sessions disconnected due to PPP authorization failed on no peer response.	Int64
system	disc-reason-14	PPP-Auth-failed-max-retry-reached	The total number of sessions disconnected due to PPP authorization failed and reaching maximum retries limit.	Int64
system	disc-reason-15	Invalid-AAA-attr-in-auth-response	The total number of sessions disconnected due to invalid AAA attributes in authorization response.	Int64
system	disc-reason-16	Could-not-apply-subscriber-ACL	The total number of sessions disconnected due to inability in applying subscriber's Access Control List (ACL).	Int64
system	disc-reason-17	Could-not-provide-service	The total number of sessions disconnected due to service is not available.	Int64
system	disc-reason-18	AAA-return-IP-address-not-valid	The total number of sessions disconnected due to return IP address from AAA server is invalid.	Int64
system	disc-reason-19	Pool-IP-address-not-valid	The total number of sessions disconnected due to IP address in pool is invalid.	Int64
system	disc-reason-20	PPP-IPCP-negotiation-failed	The total number of sessions disconnected due to PPP-IPCP negotiation failed.	Int64
system	disc-reason-21	PPP-IPCP-no-response	The total number of sessions disconnected due to no response in PPP-IPCP.	Int64
system	disc-reason-22	PPP-IPCP-max-retry-reached	The total number of sessions disconnected due to maximum retries in PPP-IPCP session.	Int64
system	disc-reason-23	No-IPV4-address-for-subscriber	The total number of sessions disconnected due to no IPv4 address are available for subscriber.	Int64
system	disc-reason-24	Inactivity-timeout	The total number of sessions disconnected due to system time out limit for silence (ideal) reached.	Int64
system	disc-reason-25	Absolute-timeout	The total number of sessions disconnected due to timeout in complete session.	Int64
system	disc-reason-26	Max-data-limit-exceeded	The total number of sessions disconnected due to maximum data limit exceeded.	Int64
system	disc-reason-27	Invalid-source-IP-address	The total number of sessions disconnected due to invalid IPv4 address of subscriber.	Int64
system	disc-reason-28	MSID-auth-failed	The total number of sessions disconnected due to MSID authentication failed.	Int64
system	disc-reason-29	MSID-auth-failed-no-aaa-response	The total number of sessions disconnected due to MSID authentication failed and/or no response from AAA server.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-30	A11-max-retry-reached	The total number of sessions disconnected due to maximum limit for retries reached for A11 interface.	Int64
system	disc-reason-31	A11-lifetime-expired	The total number of sessions disconnected due to A11 interface lifetime expired.	Int64
system	disc-reason-32	A11-msg-integrity-failure	The total number of sessions disconnected due to failure in message integrity in A11 interface.	Int64
system	disc-reason-33	PPP-LCP-remote-disconnect	The total number of sessions disconnected due to PPP-LCP remote disconnect.	Int64
system	disc-reason-34	Session-setup-timeout	The total number of sessions disconnected due to timeout in setting up of session.	Int64
system	disc-reason-35	PPP-keepalive-failure	The total number of sessions disconnected due to PPP keepalive attribute failure.	Int64
system	disc-reason-36	Flow-add-failed	The total number of sessions disconnected due to fail in adding flow to session.	Int64
system	disc-reason-37	Call-type-detection-failed	The total number of sessions disconnected due to failure in call type detection.	Int64
system	disc-reason-38	Wrong-ipcp-params	The total number of sessions disconnected due to invalid IPCP parameters.	Int64
system	disc-reason-39	MIP-remote-dereg	The total number of sessions disconnected due to de-registration of Mobile IP on remote system.	Int64
system	disc-reason-40	MIP-lifetime-expiry	The total number of sessions disconnected due to expiry of Mobile IP life time.	Int64
system	disc-reason-41	MIP-proto-error	The total number of sessions disconnected due to protocol error in Mobile IP.	Int64
system	disc-reason-42	MIP-auth-failure	The total number of sessions disconnected due to Mobile IP authentication failure.	Int64
system	disc-reason-43	MIP-reg-timeout	The total number of sessions disconnected due to registration request timeout.	Int64
system	disc-reason-44	Invalid-dest-context	The total number of sessions disconnected due to invalid destination context.	Int64
system	disc-reason-45	Source-context-removed	The total number of sessions disconnected due to source context is removed from system.	Int64
system	disc-reason-46	Destination-context-removed	The total number of sessions disconnected due to destination context is removed from system.	Int64
system	disc-reason-47	Required-service-address-unavailable	The total number of sessions disconnected due to unavailability of required service address.	Int64
system	disc-reason-48	demux-mgr-failed-could-not-restart	The total number of sessions disconnected due to failure in demux-mgr.	Int64
system	disc-reason-49	internal-error	The total number of sessions disconnected due to some internal system error.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-50	AAA-context-removed	The total number of sessions disconnected due to AAA context is removed from system.	Int64
system	disc-reason-51	invalid-service-type	The total number of sessions disconnected due to invalid service type.	Int64
system	disc-reason-52	mip-relay-req-failed	The total number of sessions disconnected due to failure in Mobile IP relay request.	Int64
system	disc-reason-53	mip-rcvd-relay-failure	The total number of sessions disconnected due to failure in Mobile IP received.	Int64
system	disc-reason-54	ppp_restart_inter_pdsn_handoff	The total number of sessions disconnected due to restart in inter PDSN handoff.	Int64
system	disc-reason-55	gre-key-mismatch	The total number of sessions disconnected due to mismatch in Generic Routing Encapsulation (GRE) key.	Int64
system	disc-reason-56	invalid-tunnel-context	The total number of sessions disconnected due to invalid Tunnel context.	Int64
system	disc-reason-57	no-peer-lns-address	The total number of sessions disconnected due to no peer LNS address	Int64
system	disc-reason-58	failed-tunnel-connect	The total number of sessions disconnected due to failure in Tunnel connect.	Int64
system	disc-reason-59	l2tp-tunnel-disconnect-remote	The total number of LT2P sessions disconnected due to tunnel disconnected by remote system.	Int64
system	disc-reason-60	l2tp-tunnel-timeout	The total number of LT2P sessions disconnected due to tunnel timeout.	Int64
system	disc-reason-61	l2tp-protocol-error-remote	The total number of LT2P sessions disconnected due to protocol error on remote system.	Int64
system	disc-reason-62	l2tp-protocol-error-local	The total number of LT2P sessions disconnected due to protocol error on local system.	Int64
system	disc-reason-63	l2tp-auth-failed-remote	The total number of LT2P sessions disconnected due to authorization failed on remote system.	Int64
system	disc-reason-64	l2tp-auth-failed-local	The total number of LT2P sessions disconnected due to authorization failed on local system	Int64
system	disc-reason-65	l2tp-try-another-lns-from-remote	The total number of LT2P sessions disconnected due to remote system tried for another LNS.	Int64
system	disc-reason-66	l2tp-no-resource-local	The total number of LT2P sessions disconnected due to non-availability of resource on local system.	Int64
system	disc-reason-67	l2tp-no-resource-remote	The total number of LT2P sessions disconnected due to non-availability of resource on remote system.	Int64
system	disc-reason-68	l2tp-tunnel-disconnect-local	The total number of LT2P sessions disconnected due to tunnel disconnected on local system.	Int64
system	disc-reason-69	l2tp-admin-disconnect-remote	The total number of LT2P sessions disconnected by administrator on remote system.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-70	l2tpmgr-reached-max-capacity	The total number of LT2P sessions disconnected due to L2TP Manager logging facility reached to maximum logging capacity.	Int64
system	disc-reason-71	MIP-Reg-Revocation	The total number of sessions disconnected due to a failure in Mobile IP registration revocation.	Int64
system	disc-reason-72	path-failure	The total number of sessions disconnected due to path failure in connecting session.	Int64
system	disc-reason-73	Dhcp-Relay-IP-Validation-Failed	The total number of sessions disconnected due to a failure with the validation of the IP addresses with DHCP relay method.	Int64
system	disc-reason-74	Gtp-unknown-pdp-addr-or-pdp-type	The total number of sessions disconnected due to unknown PDP address or PDP type.	Int64
system	disc-reason-75	Gtp-all-dynamic-pdp-addr-occupied	The total number of sessions disconnected due to all dynamic PDP addresses are occupied and no PDP address is available to allocate.	Int64
system	disc-reason-76	Gtp-no-memory-is-available	The total number of sessions disconnected due to out of memory problem.	Int64
system	disc-reason-77	dhcp-relay-static-ip-addr-not-allowed	The total number of sessions disconnected due to the mobile requesting the use of a static IP address when static IP address requests are not allowed.	Int64
system	disc-reason-78	dhcp-no-ip-addr-allocated	The total number of sessions disconnected as no IP address is allocated on DHCP Server.	Int64
system	disc-reason-79	dhcp-ip-addr-allocation-tmr-exp	The total number of sessions disconnected due to time expired for IP address allocation on DHCP Server.	Int64
system	disc-reason-80	dhcp-ip-validation-failed	The total number of sessions disconnected due to a failure with the validation of the IP address. This occurs because the IP address returned by DHCP Server is not present in the static pool in the destination context.	Int64
system	disc-reason-81	dhcp-static-addr-not-allowed	The total number of sessions disconnected due to a failure with IP address in the static pool on destination context is not allowed by DHCP Server.	Int64
system	disc-reason-82	dhcp-ip-addr-not-available-at-present	The total number of sessions disconnected due to non availability of IP address on DHCP Server.	Int64
system	disc-reason-83	dhcp-lease-expired	The total number of sessions disconnected due to expiration of IP address lease time.	Int64
system	disc-reason-84	lpool-ip-validation-failed	The total number of sessions disconnected due to validation failure of IP address in IP pool.	Int64
system	disc-reason-85	lpool-static-ip-addr-not-allowed	The total number of sessions disconnected due to specified static IP address is not allowed in IP pool.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-86	static-ip-validation-failed	The total number of sessions disconnected due to a failure in validation of static IP address on remote system.	Int64
system	disc-reason-87	static-ip-addr-not-present	The total number of sessions disconnected due to allocated static address is removed or not available.	Int64
system	disc-reason-88	static-ip-addr-not-allowed	The total number of sessions disconnected due to prohibition of defined static IP address.	Int64
system	disc-reason-89	radius-ip-validation-failed	The total number of sessions disconnected due to a failure in IP address validation on RADIUS.	Int64
system	disc-reason-90	radius-ip-addr-not-provided	The total number of sessions disconnected due to IP address is not provided by RADIUS.	Int64
system	disc-reason-91	invalid-ip-addr-from-sgsn	The total number of sessions disconnected due to invalid IP address received from SGSN.	Int64
system	disc-reason-92	no-more-sessions-in-aaa	The total number of sessions disconnected due to sessions cleared in AAA.	Int64
system	disc-reason-93	ggsn-aaa-auth-req-failed	The total number of sessions disconnected due to authentication request failure between GGSN and AAA server.	Int64
system	disc-reason-94	conflict-in-ip-addr-assignment	The total number of sessions disconnected due to conflict in IP address assignment.	Int64
system	disc-reason-95	apn-removed	The total number of sessions disconnected because the APN was removed during the session.	Int64
system	disc-reason-96	credits-used-bytes-in	The total number of sessions disconnected due to exceeding the incoming data/bytes credit.	Int64
system	disc-reason-97	credits-used-bytes-out	The total number of sessions disconnected due to exceeding the outgoing data/bytes credit.	Int64
system	disc-reason-98	credits-used-bytes-total	The total number of sessions disconnected due to exceeding the total data/bytes credit.	Int64
system	disc-reason-99	prepaid-failed	The total number of sessions disconnected due to a failure in processing prepaid account information.	Int64
system	disc-reason-100	l2tp-ipsec-tunnel-failure	The total number of sessions disconnected due to the IPSec tunnel being failed to connect.	Int64
system	disc-reason-101	l2tp-ipsec-tunnel-disconnected	The total number of sessions disconnected due to the IPSec tunnel being disconnected.	Int64
system	disc-reason-102	mip-ipsec-sa-inactive	The total number of sessions disconnected due to in active security association (SA) of IPSec for specific Mobile IP address.	Int64
system	disc-reason-103	Long-duration-timeout	The total number of sessions disconnected due to the expiration of the configured long-duration timer.	Int64
system	disc-reason-104	proxy-mip-registration-failure	The total number of Proxy Mobile IP sessions disconnected due to Registration failures.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-105	proxy-mip-binding-update	The total number of Proxy Mobile IP sessions disconnected due to errors occurring during binding updates.	Int64
system	disc-reason-106	proxy-mip-inter-pdsn-handoff-require-ip-address	The total number of Proxy Mobile IP sessions disconnected due to the mobile not providing the IP address it was assigned during IPCP negotiations resulting from inter-PDSN handoffs.	Int64
system	disc-reason-107	proxy-mip-inter-pdsn-handoff-mismatched-address	The total number of Proxy Mobile IP sessions disconnected due to the mobile providing an IP address other than what it was assigned during IPCP negotiations resulting from inter-PDSN handoffs.	Int64
system	disc-reason-108	Local-purge	The total number of sessions disconnected due to a locally-initiated purge.	Int64
system	disc-reason-109	failed-update-handoff	The total number of sessions disconnected due to failure in update handoff.	Int64
system	disc-reason-110	closed_rp-handoff-complete	The total number of sessions disconnected due to handoff completed.	Int64
system	disc-reason-111	closed_rp-duplicate-session	The total number of sessions disconnected due to duplicate session.	Int64
system	disc-reason-112	closed_rp-handoff-session-not-found	The total number of sessions disconnected due to hand off session not found.	Int64
system	disc-reason-113	closed_rp-handoff-failed	The total number of sessions disconnected due to handoff failed for session.	Int64
system	disc-reason-114	pcf-monitor-keep-alive-failed	The total number of sessions disconnected due to the expiration of the configured max-inactivity timer indicating that the PCF was unavailable.	Int64
system	disc-reason-115	call-internal-reject	The total number of sessions disconnected due to call rejected internally.	Int64
system	disc-reason-116	call-restarted	The total number of sessions disconnected due to call restarted on unknown reason.	Int64
system	disc-reason-117	a11-mn-ha-auth-failure	The total number of sessions disconnected due to failure in authentication between Mobile node and Home Agent (HA).	Int64
system	disc-reason-118	a11-badly-formed	The total number of sessions disconnected as A11 interface is formed badly.	Int64
system	disc-reason-119	a11-t-bit-not-set	The total number of sessions disconnected due to t-bit is not set in interface.	Int64
system	disc-reason-120	a11-unsupported-vendor-id	The total number of sessions disconnected due to unsupported vendor Id in interface.	Int64
system	disc-reason-121	a11-mismatched-id	The total number of sessions disconnected due to mismatched Id in A11 interface.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-122	mipha-dup-home-addr-req	The total number of sessions disconnected due to duplicate home address request on HA.	Int64
system	disc-reason-123	mipha-dup-imsi-session	The total number of sessions disconnected due to duplicate IMSI in session on HA.	Int64
system	disc-reason-124	ha-unreachable	The total number of sessions disconnected due to unreachable HA.	Int64
system	disc-reason-125	IPSP-addr-in-use	The total number of sessions disconnected due to IP Pool Sharing Protocol address is in use/not free on HA.	Int64
system	disc-reason-126	mipfa-dup-home-addr-req	The total number of sessions disconnected due to duplicate home address request on FA.	Int64
system	disc-reason-127	mipha-ip-pool-busyout	The total number of sessions disconnected due to IP pool busyout.	Int64
system	disc-reason-128	inter-pdsn-handoff	The total number of sessions disconnected due to inter-PDSN handoff failure.	Int64
system	disc-reason-129	active-to-dormant	The total number of sessions disconnected due to system enters to dormant state from active state. Note: Sessions facilitated through PDSN Closed R-P services are always displayed as "Active" due to the fact that PDSN Closed R-P services do not receive dormancy information from the PCF. "	Int64
system	disc-reason-130	ppp-renegotiation	The total number of sessions disconnected due to failure/conflict in PPP renegotiation.	Int64
system	disc-reason-131	active-start-parameter-change	The total number of sessions disconnected due to change in start parameters.	Int64
system	disc-reason-132	accounting-tariff-boundary	The total number of sessions disconnected due to the closure of an accounting record based configured tariff time.	Int64
system	disc-reason-133	a11-disconnect-no-active-stop	The total number of sessions disconnected due to A11 interface is not active or stopped.	Int64
system	disc-reason-134	nw-reachability-failed-reject	The total number of sessions disconnected due to failure in network reachability and request rejected.	Int64
system	disc-reason-135	nw-reachability-failed-redirect	The total number of sessions disconnected due to failure in network reachability and request redirected.	Int64
system	disc-reason-136	container-max-exceeded	The total number of sessions disconnected due to the closure of an accounting record based on the configured maximum number of container changes being exceeded.	Int64
system	disc-reason-137	static-addr-not-allowed-in-apn	The total number of sessions disconnected due to static IP address is not allowed in APN.	Int64
system	disc-reason-138	static-addr-required-by-radius	The total number of sessions disconnected due to static IP address required by RADIUS.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-139	static-addr-not-allowed-by-radius	The total number of sessions disconnected due to static IP address is not allowed by RADIUS.	Int64
system	disc-reason-140	mip-registration-dropped	The total number of sessions disconnected due to registration dropped for Mobile IP address.	Int64
system	disc-reason-141	counter-rollover	The total number of sessions disconnected due to counter rollover.	Int64
system	disc-reason-142	constructed-nai-auth-failed	The total number of sessions disconnected due to authentication failure in subscriber\'s Network Access Identifier (NAI).	Int64
system	disc-reason-143	inter-pdsn-service-optimize-handoff-disabled	The total number of sessions disconnected due to disabled inter-PDSN service optimization handoff.	Int64
system	disc-reason-144	gre-key-collision	The total number of sessions disconnected due to collision in Generic Routing Encapsulation (GRE) key.	Int64
system	disc-reason-145	inter-pdsn-service-optimize-handoff-triggered	The total number of sessions disconnected when inter PDSN service optimization handoff triggered.	Int64
system	disc-reason-146	intra-pdsn-handoff-triggered	The total number of sessions disconnected when intra-PDSN service optimization handoff triggered.	Int64
system	disc-reason-147	delayed-abort-timer-expired	The total number of sessions disconnected due to abort timer duration expired.	Int64
system	disc-reason-148	Admin-AAA-disconnect	The total number of sessions disconnected as AAA server disconnected Administratively.	Int64
system	disc-reason-149	Admin-AAA-disconnect-handoff	The total number of sessions disconnected due to AAA handoff disconnected Administratively.	Int64
system	disc-reason-150	PPP-IPV6CP-negotiation-failed	The total number of sessions disconnected due to IPv6CP negotiation failed.	Int64
system	disc-reason-151	PPP-IPV6CP-no-response	The total number of sessions disconnected due to no response during IPv6CP negotiation.	Int64
system	disc-reason-152	PPP-IPV6CP-max-retry-reached	The total number of sessions disconnected due to maximum retries failed on IPv6CP negotiation.	Int64
system	disc-reason-153	PPP-Restart-Invalid-source-IPV4-address	The total number of sessions disconnected due to PPP restarted by invalid Pv4 address of source.	Int64
system	disc-reason-154	a11-disconnect-handoff-no-active-stop	The total number of sessions disconnected due to handoff in A11 interface is not active or stopped.	Int64
system	disc-reason-155	call-restarted-inter-pdsn-handoff	The total number of sessions disconnected due to call restarted during inter PDSN handoff.	Int64
system	disc-reason-156	call-restarted-ppp-termination	The total number of sessions disconnected due to call restarted on PPP termination.	Int64
system	disc-reason-157	mipfa-resource-conflict	The total number of sessions disconnected due to resource conflict on FA.	Int64
system	disc-reason-158	failed-auth-with-charging-svc	The total number of sessions disconnected due to authentication failure in charging services.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-159	mipha-dup-imsi-session-purge	The total number of sessions disconnected due to clearing of duplicate IMSI in session on HA.	Int64
system	disc-reason-160	mipha-rev-pending-newcall	The total number of sessions disconnected due to revival of pending new calls.	Int64
system	disc-reason-161	volume-quota-reached	The total number of sessions disconnected due to allocated data quota volume reached.	Int64
system	disc-reason-162	duration-quota-reached	The total number of sessions disconnected due to time-out reached.	Int64
system	disc-reason-163	gtp-user-auth-failed	The total number of sessions disconnected due to a failure in user/subscriber authentication.	Int64
system	disc-reason-164	MIP-Reg-Revocation-no-lcp-term	The total number of sessions disconnected due to termination of an MIP Session for a Revocation being received from the HA and the PDSN is not configured to send a LCP Terminate Request.	Int64
system	disc-reason-165	MIP-private-ip-no-rev-tunnel	The total number of sessions disconnected due to no reverse tunnel for MIP.	Int64
system	disc-reason-166	Invalid-Prepaid-AAA-attr-in-auth-response	The total number of sessions disconnected due to invalid Prepaid attribute in authentication response.	Int64
system	disc-reason-167	mipha-prepaid-reset-dynamic-newcall	The total number of MIP HA sessions disconnected due to receiving MIP registration with a home address of 0.0.0.0.	Int64
system	disc-reason-168	gre-flow-control-timeout	The total number of RP sessions disconnected due to the PCF not removing flow control for a specified amount of time if GRE flow control for RP sessions is enabled.	Int64
system	disc-reason-169	mip-paaa-bc-query-not-found	The total number of sessions that were disconnected because the binding cache was not found.	Int64
system	disc-reason-170	mipha-dynamic-ip-addr-not-available	The total number of MIP HA sessions that were disconnected because a dynamic IP address was not available.	Int64
system	disc-reason-171	a11-mismatched-id-on-handoff	The total number of sessions disconnected due to a mismatched ID in the A11 interface during a handoff.	Int64
system	disc-reason-172	a11-badly-formed-on-handoff	The total number of sessions disconnected because the A11 interface is formed badly during a handoff.	Int64
system	disc-reason-173	a11-unsupported-vendor-id-on-handoff	The total number of sessions disconnected due to unsupported vendor Id in the A11 interface during a handoff.	Int64
system	disc-reason-174	a11-t-bit-not-set-on-handoff	The total number of sessions disconnected due to t-bit is not set in the A11 interface during a handoff.	Int64
system	disc-reason-175	MIP-Reg-Revocation-i-bit-on	The total number of Mobile IP sessions disconnected at the PDSN/FA due to Revocation received from HA (with I bit set).	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-176	a11-RRQ-Deny-Max-Count	The total number of sessions disconnected due to failures in processing A11-Registration-Request despite retries of the message by the PCF.	Int64
system	disc-reason-177	Dormant-Transition-During-Session-Setup	The total number of sessions disconnected because they entered the dormant state during session setup. Note: Sessions facilitated through PDSN Closed R-P services are always displayed as "Active" due to the fact that PDSN Closed R-P services do not receive dormancy information from the PCF. "	Int64
system	disc-reason-178	PPP-Rem-Reneg-Disc-Always-Cfg	The total number of PPP sessions disconnected because they were renegotiated by the remote side by sending LCP Conf-req/nak/ack and the "always" option was used for the remote-renegotiation disconnect command/attribute.	Int64
system	disc-reason-179	PPP-Rem-Reneg-Disc-NAI-MSID-Mismatch	The total number of PPP sessions disconnected because they were renegotiated by the remote side by sending LCP Conf-req/nak/ack and the "nai-prefix-msid-mismatch option was used for the remote-renegotiation disconnect command/attribute.	Int64
system	disc-reason-180	mipha-subscriber-ipsec-tunnel-down	The total number of subscribers disconnected because the IPSec tunnel facilitating their sessions went down.	Int64
system	disc-reason-181	mipha-subscriber-ipsec-tunnel-fail	The total number of subscribers disconnected because an IPSec tunnel failed to be established.	Int64
system	disc-reason-182	mipha-subscriber-ipsecmgr-death	The total number of subscribers disconnected because the IPSec Manager software task facilitating their sessions crashed.	Int64
system	disc-reason-183	flow-is-deactive	The total number of sessions disconnected because their respective flow was deactivated.	Int64
system	disc-reason-184	ecs-license-exceeded	The total number of sessions disconnected because the licensed session capacity for the Enhanced Charging Service feature has been exceeded.	Int64
system	disc-reason-185	IPSG-Auth-failed	The total number of sessions disconnected because IPSG authentication failed.	Int64
system	disc-reason-186	driver-initiated	The total number of sessions disconnected due to driver initiation.	Int64
system	disc-reason-187	ims-authorization-failed	The total number of sessions disconnected because of IMS authorization failures.	Int64
system	disc-reason-188	service-instance-released	The total number of sessions disconnected because they were released by the service instances facilitating them.	Int64
system	disc-reason-189	flow-release	The total number of sessions disconnected because their respective flows were released.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-190	ppp-renego-no-ha-addr	The total number of sessions disconnect because no HA address was supplied during PPP renegotiation.	Int64
system	disc-reason-191	intra-pdsn-handoff	The total number of sessions disconnected during an intra-PDSN service handoff.	Int64
system	disc-reason-192	overload-disconnect	The total number of sessions disconnected because the configured overload-disconnect threshold has been exceeded.	Int64
system	disc-reason-193	css-service-not-found	The total number of sessions because the CSS service specified for handling the session was not found.	Int64
system	disc-reason-194		DescriptionThis is not supported at this time.	Int64
system	disc-reason-195	dhcp-client-sent-release	The total number of sessions disconnected because the DHCP client sent a release.	Int64
system	disc-reason-196	dhcp-client-sent-nak	The total number of sessions disconnected because the DHCP client sent a negative acknowledge message.	Int64
system	disc-reason-197	msid-dhcp-chaddr-mismatch	The total number of sessions disconnected because the DHCP Client Hardware (MAC) Address (CHADDR) does not match with MSID of the ASN-GW session.	Int64
system	disc-reason-198	link-broken	The total number of sessions disconnected because the link between the SGSN and the GGSN is broken resulting in the termination of ongoing Diameter Credit-Control sessions with the DIAMETER_LINK_BROKEN termination-cause.	Int64
system	disc-reason-199	prog-end-timeout	The total number of sessions disconnected because the allowed BCMCS program limit time expires.	Int64
system	disc-reason-200	qos-update-wait-timeout	The total number of sessions disconnected because the PDSN failed to update QoS for them.	Int64
system	disc-reason-201	css-synch-cause	The total number of sessions disconnected because the session-audit between the ACS Manager task and Session Manager disconnects any dangling sessions in the Session Manager.	Int64
system	disc-reason-202	Gtp-context-replacement	The total number of sessions disconnected due to GTP context replacement.	Int64
system	disc-reason-203	PDIF-Auth-failed	The total number of sessions disconnected due to PDIF authentication process unable to set up a secure IPSec tunnel to subscriber.	Int64
system	disc-reason-204	l2tp-unknown-apn	The total number of sessions disconnected due to unknown APN in L2TP message.	Int64
system	disc-reason-205	ms-unexpected-network-reentry	The total number of sessions disconnected due unexpected network reentry by MS in Wimax network.	Int64
system	disc-reason-206	r6-invalid-nai	The total number of sessions disconnected due invalid NAI in R6 message in WiMAX network.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-207	eap-max-retry-reached	The total number of sessions disconnected due maximum retry limit for EAP authentication exhausted in Wimax network.	Int64
system	disc-reason-208	vbm-hoa-session-disconnected	The total number of disconnects that occurred between the Visitor Bearer Manager (VBM) and home network IP address (HoA).	Int64
system	disc-reason-209	vbm-voa-session-disconnected	The total number of disconnects that occurred between the Visitor Bearer Manager (VBM) and visited address (VoA).	Int64
system	disc-reason-210	in-acl-disconnect-on-violation	the total number of disconnects resulting from an inbound Access Control List violation.	Int64
system	disc-reason-211	eap-msk-lifetime-expiry	The total number of sessions disconnected due to EAP Master Session Key lifetime expiry in Wimax network.	Int64
system	disc-reason-212	eap-msk-lifetime-too-low	The total number of sessions disconnected due to EAP Master Session Key lifetime is too less to allow session.	Int64
system	disc-reason-213	inter-service-handoff	The total number of sessions disconnected due to inter-service handoff in Wimax network.	Int64
system	disc-reason-214	r6-max-retry-reached	The total number of sessions disconnected due to maximum retry limit for R6 message exhausted in Wimax network.	Int64
system	disc-reason-215	r6-nwexit-recd	The total number of sessions disconnected due to network exit message received on R6 interface in Wimax network.	Int64
system	disc-reason-216	r6-dereg-req-recd	The total number of sessions disconnected due to de-registration message received on R6 interface in Wimax network.	Int64
system	disc-reason-217	r6-remote-failure	The total number of sessions disconnected due to remote peer failure on R6 interface in Wimax network.	Int64
system	disc-reason-218	r6r4-protocol-errors	The total number of sessions disconnected due to protocol error on R6 and/or R4 interface in Wimax network.	Int64
system	disc-reason-219	wimax-qos-invalid-aaa-attr	The total number of sessions disconnected due to invalid AAA attributes for QoS to a subscriber in Wimax network.	Int64
system	disc-reason-220	npu-gre-flows-not-available	The total number of sessions disconnected due to requested NPU GRE flow is not available for a subscriber in Wimax network.	Int64
system	disc-reason-221	r4-max-retry-reached	The total number of sessions disconnected due to maximum retry limit for R4 message exhausted in Wimax network.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-222	r4-nwexit-recd	The total number of sessions disconnected due to network exit message received on R4 interface in Wimax network.	Int64
system	disc-reason-223	r4-dereg-req-recd	The total number of sessions disconnected due to de-registration message received on R4 interface in Wimax network.	Int64
system	disc-reason-224	r4-remote-failure	The total number of sessions disconnected due to remote peer failure on R4 interface in Wimax network.	Int64
system	disc-reason-225	ims-authorization-revoked	The total number of sessions disconnected due to IMS authorization revoked.	Int64
system	disc-reason-226	ims-authorization-released	The total number of sessions disconnected due to IMS authorization released.	Int64
system	disc-reason-227	ims-auth-decision-invalid	The total number of sessions disconnected due to invalid IMS authorization decision.	Int64
system	disc-reason-228	mac-addr-validation-failed	The total number of sessions disconnected due to MAC address validation failure in WiMAX network.	Int64
system	disc-reason-229	excessive-wimax-pd-flows-configured	The total number of sessions disconnected due to excessive packet data flows configured in WiMAX network.	Int64
system	disc-reason-230	sgsn-cancel-location-subs-withdraw	The total number of sessions disconnected due to request for location substitution withdrawn was cancelled.	Int64
system	disc-reason-231	sgsn-cancel-location-update	The total number of sessions disconnected because the location update was cancelled.	Int64
system	disc-reason-232	sgsn-mnr-expiry	The total number of sessions disconnected due to manager expiry.	Int64
system	disc-reason-233	sgsn-identity-failure	The total number of sessions disconnected due to identity check failure.	Int64
system	disc-reason-234	sgsn-security-failure	The total number of sessions disconnected due to security verification failure.	Int64
system	disc-reason-235	sgsn-auth-failure	The total number of sessions disconnected due to authentication failure.	Int64
system	disc-reason-236	sgsn-glu-failure	The total number of sessions disconnected due to Global Location Update (GLU) failure.	Int64
system	disc-reason-237	sgsn-implicit-detach	The total number of sessions disconnected due to an implicit detach.	Int64
system	disc-reason-238	sgsn-subscriber-moved-to-different-smgr-instance	The total number of sessions disconnected due to subscriber moving to a different SMGR instance.	Int64
system	disc-reason-239	sgsn-subscriber-moved-to-peer-sgsn	The total number of sessions disconnected due to subscriber moving to a peer SGSN.	Int64
system	disc-reason-240	sgsn-dns-failure-inter-rau	The total number of sessions disconnected due to DNS failure during Inter-RAU.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-241	sgsn-context-response-failure	The total number of sessions disconnected due to context response failure.	Int64
system	disc-reason-242	sgsn-hlr-not-found-for-ims	The total number of sessions disconnected due to HLR not found for particular IMSI.	Int64
system	disc-reason-243	sgsn-ms-init-detach	The total number of sessions disconnected due to MS initiated detach.	Int64
system	disc-reason-244	sgsn-roaming-not-allowed	The total number of sessions disconnected because MS was not allowed to roam.	Int64
system	disc-reason-245	sgsn-duplicate-context	The total number of sessions disconnected due to duplicate context.	Int64
system	disc-reason-246	hss-profile-update-failed	The total number of sessions disconnected due to failure of HSS profile update.	Int64
system	disc-reason-247	inactive-without-activating-any-pdp	The total number of sessions disconnected where session is inactive and no PDP context is activated from this session.	Int64
system	disc-reason-248	asnpc-idle-mode-timeout	The total number of sessions disconnected due to configured idle mode timeout duration is exhausted for ASN paging controller in WiMAX network.	Int64
system	disc-reason-249	asnpc-idle-mode-exit	The total number of sessions disconnected due to idle mode exit message for ASN paging controller in WiMAX network.	Int64
system	disc-reason-250	asnpc-idle-mode-entry-auth-failed	The total number of sessions disconnected due to authentication failure during idle mode entry for ASN paging controller in WiMAX network.	Int64
system	disc-reason-251	asngw-invalid-qos-configuration	The total number of sessions disconnected due to invalid QoS configuration for subscriber in WiMAX network.	Int64
system	disc-reason-252	sgsn-dsd-allgprswithdrawn	The total number of sessions disconnected due to receipt of Delete Subscriber Data (DSD) message including the IE "all GPRS subscriptions withdrawn". "	Int64
system	disc-reason-253	r6-pmk-key-change-failure	The total number of sessions disconnected due to primary master key change failure on R6 interface in WiMAX network.	Int64
system	disc-reason-254	sgsn-illegal-me	The total number of sessions disconnected because the ME was illegal.	Int64
system	disc-reason-255	sess-termination-timeout	The total number of sessions disconnected due to failure monitored through BS monitor keep-alive probe.	Int64
system	disc-reason-256	sgsn-sai-failure	The total number of sessions disconnected due to an SGSN Service Area Identity (SAI) attachment failure.	Int64
system	disc-reason-257	sgsn-rnc-removal	The total number of sessions disconnected due toan error in SGSN inbound SRNS (Serving Radio Network Subsystem) registration state.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-258	sgsn-rai-removal	The total number of sessions disconnected due to error in Update PDP Context Response message for direct tunnel functionality. Direct tunnel functionality at GGSN was expecting some fields which were not received in the Update PDP Context Response message. Hence, GGSN was not able to establish tunnel appropriately with SGSN or RNC. "	Int64
system	disc-reason-259	sgsn-init-deact	The total number of sessions disconnected at SGSN due to unknown PDP context.	Int64
system	disc-reason-260	ggsn-init-deact	The total number of sessions disconnected at SGSN due to PDP authentication failed.	Int64
system	disc-reason-261	hlr-init-deact	The total number of sessions disconnected at SGSN due to duplicate PDP context	Int64
system	disc-reason-262	ms-init-deact	The total number of sessions disconnected at SGSN due to no response from GGSN.	Int64
system	disc-reason-263	sgsn-detach-init-deact	The total number of sessions disconnected at SGSN due to failed response from GGSN.	Int64
system	disc-reason-264	sgsn-rab-rel-init-deact	The total number of sessions disconnected at SGSN due to unknown APN.	Int64
system	disc-reason-265	sgsn-iu-rel-init-deact	The total number of sessions disconnected at SGSN due to service request initiated deactivation.	Int64
system	disc-reason-266	sgsn-gtpu-path-failure	The total number of sessions disconnected at SGSN due to attachment procedure initiated abort.	Int64
system	disc-reason-267	sgsn-gtpc-path-failure	The total number of sessions disconnected at SGSN due to ISRAU initiated abort procedure.	Int64
system	disc-reason-268	sgsn-local-handoff-init-deact	The total number of sessions disconnected at SGSN due to unknown APN.	Int64
system	disc-reason-269	sgsn-remote-handoff-init-deact	The total number of sessions disconnected at SGSN due to MM context cleanup initiated abort procedure.	Int64
system	disc-reason-270	sgsn-gtp-no-resource	The total number of sessions disconnected at SGSN due to unknown abort procedure.	Int64
system	disc-reason-271	sgsn-rnc-no-resource	The total number of sessions disconnected at SGSN due to abort procedure started by guard timeout.	Int64
system	disc-reason-272	sgsn-odb-init-deact	The total number of sessions disconnected at SGSN due to abort procedure initiated on DHCP IP validate request.	Int64
system	disc-reason-273	sgsn-invalid-ti	The total number of sessions disconnected due to id mismatch in MIPv6 session.	Int64
system	disc-reason-274	sgsn-actv-rejected-due-to-rnc	The total number of sessions disconnected as AAA session id not-found	Int64
system	disc-reason-275	sgsn-apn-restrict-vio	The total number of sessions disconnected due to security associate rekeying failure.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-276	sgsn-actv-rejected-by-sgsn	The total number of sessions disconnected due to failure in relocation in ASN-PC service.	Int64
system	disc-reason-277	sgsn-abnormal-deact	The total number of sessions disconnected due to failure in paging controller relocation in ASN PC service.	Int64
system	disc-reason-278	sgsn-actv-rejected-by-ggsn	The total number of sessions disconnected due to mismatch in authentication policy.	Int64
system	disc-reason-279	sgsn-err-ind	This disconnect reason denotes the number of PDPs deactivated by SGSN due to GTPV1-U error indication received for the bearer from peer node. This disconnect reason also denotes the number of PDPs deactivated due to "Resource unavailable" cause received in RAB release request from RNC in direct tunnel scenario. This disconnect reason is pegged in the following scenarios: 1. Direct tunnel enabled and RNC sent RAB release request with cause "Resource unavailable". 2. SGSN received GTPV1-U error indication for the bearer/PDP from S-GW 3. SGSN received GTPV1-U error indication for the PDP from GGSN 4. SGSN received GTPV1-U error indication for the PDP from RNC	Int64
system	disc-reason-280	asngw-non-anchor-prohibited	The total number of sessions disconnected due to non-anchor ASN-GW being prohibited.	Int64
system	disc-reason-281	asngw-im-entry-prohibited	The total number of sessions disconnected due to unknown reason.	Int64
system	disc-reason-282	Session-idle-mode-entry-timeout	The total number of sessions disconnected Administratively.	Int64
system	disc-reason-283	session-idle-mode-exit-timeout	The total number of sessions disconnected by remote system	Int64
system	disc-reason-284	asnpc-ms-power-down-nwexit	The total number of sessions disconnected by local system.	Int64
system	disc-reason-285	asnpc-r4-nwexit-recd	The total number of sessions disconnected due to non-availability of resources.	Int64
system	disc-reason-286	sgsn-iu-rel-before-call-est	The total number of sessions disconnected due to exceed in service limit.	Int64
system	disc-reason-287	ikev2-subscriber-ipsecmgr-death	The total number of sessions disconnected due to LCP negotiation failed.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-288	All-dynamic-pool-addr-occupied	The total number of sessions disconnected due to no response in PPP-LCP session.	Int64
system	disc-reason-289	mipv6ha-ip-addr-not-available	The total number of sessions disconnected due to loop back detected in PPP-LCP.	Int64
system	disc-reason-290	bs-monitor-keep-alive-failed	The total number of sessions disconnected due to maximum retries in PPP-LCP session.	Int64
system	disc-reason-291	sgsn-attach-in-reg-state	The total number of SGSN sessions disconnected due to an error in the SGSN attachment during the registration state.	Int64
system	disc-reason-292	sgsn-inbound-srns-in-reg-state	The total number of SGSN sessions disconnected due to an error in the SGSN inbound SRNS in a registration state.	Int64
system	disc-reason-293	dt-ggsn-tun-reestablish-failed	The total number of SGSN sessions disconnected due to error in Update PDP Context Response message for direct tunnel functionality. Direct tunnel functionality at GGSN was expecting some fields which were not received in the Update PDP Context Response message. Hence, the GGSN was not able to establish a tunnel appropriately with the SGSN or the RNC. "	Int64
system	disc-reason-294	sgsn-pdp-unknown	The total number of SGSN sessions disconnected due to an unknown PDP context.	Int64
system	disc-reason-295	sgsn-pdp-auth-failure	The total number of SGSN sessions disconnected because the PDP authentication failed.	Int64
system	disc-reason-296	sgsn-duplicate-pdp-context	The total number of SGSN sessions disconnected because the PDP authentication failed.	Int64
system	disc-reason-297	sgsn-no-rsp-from-ggsn	The total number of SGSN sessions disconnected because the SGSN does note receive a response from the GGSN.	Int64
system	disc-reason-298	sgsn-failure-rsp-from-ggsn	The total number of SGSN sessions disconnected due to failed response from the GGSN.	Int64
system	disc-reason-299	sgsn-apn-unknown	The total number of SGSN sessions disconnected due to an unknown APN.	Int64
system	disc-reason-300	sgsn-pdp-status-mismatch	The total number of SGSN sessions disconnected due to deactivation initiated by a service request.	Int64
system	disc-reason-301	sgsn-attach-on-attch-init-abort	The total number of SGSN sessions disconnected due to an attachment procedure-initiated abort.	Int64
system	disc-reason-302	sgsn-iu-rel-in-israu-init-abort	The total number of SGSN sessions disconnected due to an aborted Inter-SGSN Routing Area Update (ISRAU) procedure.	Int64
system	disc-reason-303	sgsn-smgr-init-ab	The total number of SGSN sessions disconnected because the SessMgr initiates an abort.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-304	sgsn-mm-ctx-cleanup-init-abort	The total number of SGSN sessions disconnected due to the MM context cleanup-initiated abort procedure.	Int64
system	disc-reason-305	sgsn-unknown-abort	The total number of SGSN sessions disconnected due to an unknown abort procedure.	Int64
system	disc-reason-306	sgsn-guard-timeout-abort	The total number of SGSN sessions disconnected because the abort procedure was started by the guard timer timeout.	Int64
system	disc-reason-307	vpn-bounce-dhcpip-validate-req	The total number of SGSN sessions disconnected because the abort procedure was initiated upon receiving a DHCP IP validate request.	Int64
system	disc-reason-308	mipv6-id-mismatch	The total number of sessions disconnected due to id mismatch in MIPv6 session.	Int64
system	disc-reason-309	aaa-session-id-not-found	The total number of sessions disconnected as AAA session id not-found	Int64
system	disc-reason-310	x1/x5-max-retry-reach	The total number of sessions disconnected due to security associate rekeying failure.	Int64
system	disc-reason-311	x1-nwexit-recd	The total number of sessions disconnected due to failure in relocation in ASN-PC service.	Int64
system	disc-reason-312	x1-dereg-req-recd	The total number of sessions disconnected due to failure in paging controller relocation in ASN PC service.	Int64
system	disc-reason-313	x1-remote-failure	The total number of sessions disconnected due to mismatch in authentication policy.	Int64
system	disc-reason-314	x1x2-protocol-errors	The total number of sessions disconnected as DELETE MS ENTRY message received by the ASN Paging Controller.	Int64
system	disc-reason-315	x2/x6-max-retry-reached	The total number of sessions disconnected because the ASNGW TID entry was not found.	Int64
system	disc-reason-316	x2/x6-nwexit-recd	The total number of sessions disconnected due to network exit message received on X2 interface in PHS network.	Int64
system	disc-reason-317	x2-dereg-req-recd	The total number of sessions disconnected due to deregistration request received on X2 interface in PHS network.	Int64
system	disc-reason-318	x2-remote-failure	The total number of sessions disconnected by remote system due to failure on X2 interface in PHS network.	Int64
system	disc-reason-319	x1-pmk-key-change-failure	The total number of sessions disconnected due to primary master key change failure on X1 interface in PHS network.	Int64
system	disc-reason-320	SA-Rekeying-Failure	The total number of sessions disconnected because of an IKE SA rekeying failure.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-321	Sess-sleep-mode-entry-timeout	The total number of sessions disconnected due to session sleep mode entry timeout on PHS GW.	Int64
system	disc-reason-322	phsgw-non-anchor-prohibited	The total number of sessions disconnected due to non-anchor PHS GW being prohibited.	Int64
system	disc-reason-323	asnpc-pc-relocation-failed	The total number of sessions disconnected due to failure in paging controller relocation in ASN PC service.	Int64
system	disc-reason-324	asnpc-pc-relocation	The total number of sessions disconnected due to paging controller relocation in ASN PC service.	Int64
system	disc-reason-325	auth_policy_mismatch	The total number of sessions disconnected due to authorization policy mismatch.	Int64
system	disc-reason-326	ike/ipsec-sa-lifetime-expired	The total number of sessions disconnected due to IKE/IPsec security associate lifetime timer expiration.	Int64
system	disc-reason-327	asnpc-del-ms-entry-recd	The total number of sessions disconnected as DELETE MS ENTRY message received by the ASN Paging Controller.	Int64
system	disc-reason-328	phspc-sleep-mode-timeout	The total number of sessions disconnected due to sleep mode timeout by the PHS Paging Controller.	Int64
system	disc-reason-329	phspc-sleep-mode-exit	The total number of sessions disconnected due to sleep mode exit by the PHS Paging Controller.	Int64
system	disc-reason-330	phspc-sleep-mode-entry-auth-failed	The total number of sessions disconnected due to failed sleep mode entry authorization by the PHS Paging Controller.	Int64
system	disc-reason-331	phspc-ms-power-down-nwexit	The total number of sessions disconnected due to ms power down network exit message received by the PHS Paging Controller.	Int64
system	disc-reason-332	phspc-x6-nwexit-recd	The total number of PHS Paging Controller sessions disconnected due to network exit message received from X2 interface in PHS network.	Int64
system	disc-reason-333	invalid-nat-config	The total number of sessions disconnected due to the following reasons: 1. When SessMgr and ACSMgr are running in non-optimized mode. 2. When an undefined NAT pool is configured for subscriber. NAT must be disabled if ACS is not running in optimized mode.	Int64
system	disc-reason-334	asngw-tid-entry-not-found	The total number of sessions disconnected because the ASNGW TID entry was not found.	Int64
system	disc-reason-335	No-NAT-IP-Addr-for-subscriber	The total number of sessions disconnected due to NAT IP address being unavailable during call setup for allocation to a subscriber.	Int64
system	disc-reason-336	excessive-phs-pd-flows-configured	The total number of sessions disconnected due to configuration of excessive PHS pd flows.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-337	phsgw-invalid-qos-configuration	The total number of sessions disconnected due to invalid QoS configuration for subscriber in PHS network.	Int64
system	disc-reason-338	Interim-Update	The total number of sessions disconnected due to Interim Update.	Int64
system	disc-reason-339	sgsn-inbound-attach-abort-radio-status-bad-lost	The total number of SGSN sessions disconnected because the inbound attach requests aborted due to poor radio status or lost radio connections.	Int64
system	disc-reason-340	sgsn-inbound-irau-abort-radio-status-bad-lost	The total number of SGSN sessions disconnected due to inbound IRAU requests aborting as the radio status was poor or the radio connection lost.	Int64
system	disc-reason-341	ike-keep-alive-failed	The total number of sessions disconnected due to IKE keepalive failure.	Int64
system	disc-reason-342	sgsn-attach-abort-ms-suspend	The total number of SGSN sessions disconnected due to attach requests aborting because MS was in suspend mode.	Int64
system	disc-reason-343	sgsn-inbound-irau-abort-ms-suspend	The total number of SGSN sessions disconnected due to IRAU requests aborted when MS was in suspend mode.	Int64
system	disc-reason-344	duplicate-session-detected	The total number of sessions disconnected due to detection of duplicate sessions for the same session id.	Int64
system	disc-reason-345	sgsn-xid-response-failure	The total number of SGSN sessions disconnected due to XID response failure.	Int64
system	disc-reason-346	sgsn-nse-cleanup	The total number of SGSN sessions disconnected due to record cleanup or reset on the network service entity (NSE).	Int64
system	disc-reason-347	sgsn-gtp-req-failure	The total number of SGSN sessions disconnected due to failure of the GTPP request.	Int64
system	disc-reason-348	sgsn-imsi-mismatch	The total number of SGSN sessions disconnected due to mismatches of the IMSIs.	Int64
system	disc-reason-349	sgsn-bvc-blocked	The total number of SGSN sessions disconnected because the BSSGP Virtual Connection (BVC) was blocked.	Int64
system	disc-reason-350	sgsn-attach-on-inbound-irau	The total number of SGSN sessions disconnected as the session was attached on inbound IRAU requests.	Int64
system	disc-reason-351	sgsn-attach-on-outbound-irau	The total number of SGSN sessions disconnected while the session was attached on outbound IRAU requests.	Int64
system	disc-reason-352	sgsn-incorrect-state	The total number of SGSN sessions disconnected due to incorrect state of network elements.	Int64
system	disc-reason-353	sgsn-t3350-expiry	The total number of SGSN sessions disconnected due to expiry of the T-3350 timer.	Int64
system	disc-reason-354	sgsn-page-timer-expiry	The total number of SGSN sessions disconnected due to expiry of the paging timer.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-355	phsgw-tid-entry-not-found	The total number of SGSN sessions disconnected due to local purging of PDP contexts.	Int64
system	disc-reason-356	phspc-del-ms-entry-recd	The total number of sessions disconnected as DELETE MS ENTRY message received by the PHS Paging Controller.	Int64
system	disc-reason-357	sgsn-pdp-local-purge	The total number of SGSN sessions disconnected due to local purging of PDP contexts. The field indicator number will vary depending upon the build of the software.	Int64
system	disc-reason-358	phs-invalid-nai	The total number of sessions disconnected due to invalid NAI in PHS network.	Int64
system	disc-reason-359	Session-sleep-mode-exit-timeout	The total number of sessions disconnected due to sleep mode exit timeout for PHS paging controller in PHS network.	Int64
system	disc-reason-360	sgsn-offload-phase2	With Iu/Gb flex enabled, this is the total number of SGSN sessions disconnected when the subscriber has been forcefully cleared via phase2 offloading from one SGSN to another SGSN within the SGSN pool. "	Int64
system	disc-reason-361	phs-thirdparty-auth-fail	The total number of sessions disconnected due to third party authorization failure in PHS network.	Int64
system	disc-reason-362	Remote-error-notification	The total number of sessions disconnected due to remote error notifications.	Int64
system	disc-reason-363	No-response	The total number of sessions disconnected due to no response from any of the network entity.	Int64
system	disc-reason-364	PDG-Auth-failed	The total number of sessions disconnected due re-authorization failure at any stage.	Int64
system	disc-reason-365	mme-s1AP-send-failed	The total number of sessions disconnected because of a MME and s1AP send failure.	Int64
system	disc-reason-366	mme-egtpc-connection-failed	The total number of sessions disconnected because of a MME-eGTPC connection failure.	Int64
system	disc-reason-367	mme-egtpc-create-session-failed	The total number of sessions disconnected because of the MME-eGTPC create session failed.	Int64
system	disc-reason-368	mme-authentication-failure	The total number of sessions disconnected because of a MME authentication failure.	Int64
system	disc-reason-369	mme-ue-detach	The total number of sessions disconnected because of MME and UE detach.	Int64
system	disc-reason-370	mme-mme-detach	The total number of sessions disconnected because of MME to MME detach.	Int64
system	disc-reason-371	mme-hss-detach	The total number of sessions disconnected because of a MME HSS detach.	Int64
system	disc-reason-372	mme-pgw-detach	The total number of sessions disconnected because of a MME and P-GW detach.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-373	mme-sub-validation-failure	The total number of sessions disconnected because of a MME sub validation failure.	Int64
system	disc-reason-374	mme-hss-connection-failure	The total number of sessions disconnected because of a MME HSS connection failure.	Int64
system	disc-reason-375	mme-hss-user-unknown	The total number of sessions disconnected because the MME HSS user is unknown.	Int64
system	disc-reason-376	dhcp-lease-mismatch-detected	The total number of sessions disconnected due to mismatch in DHCP lease time mismatch.	Int64
system	disc-reason-377	nemo-link-layer-down	The total number of disconnected sessions due to the NEMO (Network Mobility) link layer being down.	Int64
system	disc-reason-378	eapol-max-retry-reached	The total number of sessions disconnected because of eapol-max-retry-reached.	Int64
system	disc-reason-379	sgsn-offload-phase3	With Iu/Gb flex enabled, this is the total number of SGSN sessions disconnected when the subscriber has been forcefully cleared via phase3 offloading from one SGSN to another SGSN within the SGSN pool. "	Int64
system	disc-reason-380	mbms-bearer-service-disconnect	The total number of sessions disconnected due to disconnect in MBMS bearer service.	Int64
system	disc-reason-381	disconnect-on-violation-odb	The total number of sessions disconnected due to violation on Operator Determined Barring (ODB) of services.	Int64
system	disc-reason-382	disconn-on-violation-focs-odb	The total number of sessions disconnected due to violation on Operator Determined Barring (ODB) of Free-of-Charge service (FOCS).	Int64
system	disc-reason-383	CSCF-REG-Admin-disconnect	The total number of CSCF sessions disconnected through CLI registration clearing by administrator.	Int64
system	disc-reason-384	CSCF-REG-User-disconnect	The total number of CSCF sessions disconnected by UE with an explicit deregister message.	Int64
system	disc-reason-385	CSCF-REG-Liefetime-Expiry Supported in releases prior to 14.0.	The total number of CSCF sessions disconnected due to registration expiry.	Int64
system	disc-reason-385 (dup)	CSCF-REG-Inactivity-timeout Supported in releases beginning with 14.0.	The total number of CSCF sessions disconnected due to registration expiry.	Int64
system	disc-reason-386	CSCF-REG-Network-disconnect	The total number of CSCF sessions disconnected due to network-initiated deregistration.	Int64
system	disc-reason-387	CSCF-Call-Admin-disconnect	The total number of CSCF sessions disconnected through CLI call clearing by administrator.	Int64
system	disc-reason-388	CSCF-Call-User-disconnect	The total number of CSCF sessions disconnected by UE using BYE message.	Int64
system	disc-reason-389	CSCF-CALL-Local-disconnect	The total number of CSCF sessions disconnected locally due to some processing failure, task death, recovery failure, etc. "	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-390	CSCF-CALL-No-Resource	The total number of CSCF sessions disconnected because locally due to congestion caused by max calline/flow usage from high cpu/memory utilization in sessmgr.	Int64
system	disc-reason-391	CSCF-CALL-No-Response	The total number of CSCF sessions disconnected due to response timeout (SIP response code 408).	Int64
system	disc-reason-392	CSCF-CALL-Inactivity-timeout	The total number of CSCF sessions disconnected due to session timer timeout.	Int64
system	disc-reason-393	CSCF-CALL-Media-Auth-Failure	The total number of CSCF sessions disconnected due to media authorization failure.	Int64
system	disc-reason-394	CSCF-REG-No-Resource	The total number of CSCF sessions disconnected because register message is rejected due to congestion caused by max calline/flow usage from high cpu/memory utilization in sessmgr.	Int64
system	disc-reason-395	ms-unexpected-idle-mode-entry	The total number of disconnects due to ms-unexpected-idle-mode-entry.	Int64
system	disc-reason-396	Re-Auth-failed	The total number of disconnects due to Re-Auth-failed.	Int64
system	disc-reason-397	sgsn-pdp-nse-cleanup	The total number of SGSN sessions disconnected because the NSE configured in the GPRS service is removed and there are PDP contexts associated with the subscribers attached in this NSE.	Int64
system	disc-reason-398	sgsn-mm-ctxt-gtp-no-resource	The total number of SGSN sessions disconnected because an SGTP service could not be assigned to an MM context. The field indicator number will vary depending upon the build of the software	Int64
system	disc-reason-399	unknown-apn	The total number of disconnects due to an unknown Access Point Name (APN).	Int64
system	disc-reason-400	gtpc-path-failure	The total number of disconnects due to a GTPC path failure.	Int64
system	disc-reason-401	gtpu-path-failure	The total number of disconnects due to a GTPU path failure.	Int64
system	disc-reason-402	actv-rejected-by-ggsn	The total number of disconnects due to activation being rejected by GGSN.	Int64
system	disc-reason-403	sgsn-pdp-gprs-camel-release	The total number of PDP activation failures due to release from CAMEL.	Int64
system	disc-reason-404	sgsn-check-imei-failure	The total number of Attaches/RAUs rejected due to failure in the IMEI checking (due either to black listing or to grey listing and an SGSN operator policy is configured with deny-grey-list). This counter is available in releases 9.0 and higher.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-405	sgsn-sndcp-init-deact	The total number of PDP contexts deactivated upon receiving a cleanup indication from the SNDCP (Sub Network Dependent Convergence Protocol) layer.	Int64
system	disc-reason-406	sgsn-pdp-inactivity-timeout	The total number of subscribers detached or PDP context(s) deactivated due to subscriber inactivity during a configured (in the SGSN operator policy) time.	Int64
system	disc-reason-407	fw-and-nat-policy-removed	The total number of NAT-enabled sessions dropped due to Firewall-and-NAT policy updates in mid session.	Int64
system	disc-reason-408	FNG-Auth-failed	The total number of FNG sessions disconnected due to authorization failures based on mismatched Femtocell Access Point (FAP) credentials.	Int64
system	disc-reason-409	ha-stale-key-disconnect	The total number of disconnects due to an ha-stale-key.	Int64
system	disc-reason-410	No-IPV6-address-for-subscriber	The total number of disconnects because there was no IPv6 address for the subscriber.	Int64
system	disc-reason-411	prefix-registration-failure	The total number of disconnects due to a prefix registration failure.	Int64
system	disc-reason-412	disconnect-from-policy-server	the total number of disconnects initiated from a policy server.	Int64
system	disc-reason-413	s6b-auth-failed	The total number of subscriber sessions disconnected due to failure of authentication over S6b interface with HSS. This support is added for interoperability of GGSN with P-GW and HA.	Int64
system	disc-reason-414	gtpc-err-ind	The total number of sessions disconnected due to a GTP control plane error indication message.	Int64
system	disc-reason-415	gtpu-err-ind	The total number of sessions disconnected due to a GTP user plane error indication message.	Int64
system	disc-reason-416	invalid-pdn-type	The total number of sessions disconnected due to an invalid PDN-type error.	Int64
system	disc-reason-417	aaa-auth-req-failed	The total number of subscriber sessions disconnected due to a AAA authentication request failure.	Int64
system	disc-reason-418	apn-denied-no-subscription	The total number of subscriber sessions disconnected due to denial of APN as requested APN was not subscribed to subscriber.	Int64
system	disc-reason-419	Sgw-context-replacement	The total number of sessions disconnected due to an S-GW context replacement.	Int64
system	disc-reason-420	dup-static-ip-addr-req	The total number of subscriber sessions disconnected due to new session request received with duplicate IP address at GGSN. This support is added for interoperability of GGSN with P-GW and HA.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-421	apn-restrict-violation	The total number of subscriber sessions disconnected due to violation of level of restriction to ensure controlled co-existence of the Primary PDP Contexts in APN.	Int64
system	disc-reason-422	invalid-wapn	The total number of sessions disconnected due to invalid or no W-APN details received from the UE.	Int64
system	disc-reason-423	ttg-nsapi-allocation-failed	The total number of TTG sessions disconnected due to an NSAPI (Network Service Access Point Identifier) allocation failure.	Int64
system	disc-reason-424	mandatory-gtp-ie-missing	The total number of sessions disconnected due to the unavailability of a mandatory GTP Information-Element during PDP context creation.	Int64
system	disc-reason-425	aaa-unreachable	The total number of disconnected sessions due to RADIUS server not being reachable. For mobile-IP calls, aaa-unreachable cause code is set when re-authentication failure happens. RADIUS generates this only for a mobile IP call and RADIUS server is down during authentication. "	Int64
system	disc-reason-426	asngw-service-flow-deletion	The total number of disconnects resulting from flow deletion by ANS-GW.	Int64
system	disc-reason-427	CT-PMIP-RRQ-NVSE-Value-Change	The total number of disconnects resulting from a PMIP (Proxy-MIP) registration request (RRQ) returning an NVSE (Normal/Vendor organization Special Extension) value change [WiMAX].	Int64
system	disc-reason-428	tcp-read-failed	The total number of disconnected sessions due to a TCP read failure.	Int64
system	disc-reason-429	tcp-write-failed	The total number of disconnected sessions due to a TCP write failure.	Int64
system	disc-reason-430	ssl-handshake-failed	The total number of disconnected Secure Sockets Layer (SSL) sessions due to a handshake failure.	Int64
system	disc-reason-431	ssl-renegotiate-failed	The total number of disconnected SSL sessions due to a renegotiation failure.	Int64
system	disc-reason-432	ssl-bad-message	The total number of disconnected SSL sessions due to corrupted messages.	Int64
system	disc-reason-433	ssl-alert-received	The total number of disconnected SSL sessions due to an alert.	Int64
system	disc-reason-434	ssl-disconnect	The total number of SSL disconnections.	Int64
system	disc-reason-435	ssl-migration	The total number of SSL migrations.	Int64
system	disc-reason-436	sgsn-ard-failure	The total number of session disconnects due to ARD (access restriction data) subscription restriction received from the HLR.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-437	sgsn-camel-release	The total number of session disconnects experienced by the SGSN due to Detach/Attach Rejects due to explicit "Release GPRS" received from CAMEL component GSM-SCF or due to failures during CAMEL handling. "	Int64
system	disc-reason-438	sgsn-egtpc-connection-failed	Replaced by disc-reason-439 in Release 14.0	Int64
system	disc-reason-439	sgsn-egtpc-create-session-failed Supported in Release 14.	The total number of session disconnects occurring when the S4-SGSN is not able to establish a PDP context when the SGW returned a failure cause in "Create Session Response" or the SGW did not respond at all to "Create Session Request". "	Int64
system	disc-reason-440	sgsn-hss-detach	Replaced by disc-reason-230 in Release 14.0	Int64
system	disc-reason-441	sgsn-hss-connection-failure	Replaced by disc-reason-236 in Release 14.0	Int64
system	disc-reason-442	sgsn-pgw-detach	Not yet supported	Int64
system	disc-reason-443	sgsn-s5- s8- no-support-for-apn Supported in Release 14.	The total number of session disconnects resulting from the S4-SGSN's inability to establish a PDP context for an APN in the following scenario: An EPS subscription is used for a subscriber. The SGSN tries to find an S5 / S8 address of the PGW for the requested APN. The DNS response does not contain an S5/S8 address. The PDP activation is rejected.	Int64
system	disc-reason-444	sgsn-no-rab-for-gbr-bearer Not yet supported - in development for future use.	The total number of session disconnects resulting from the S4-SGSN initiating a "Deactivate PDP" as RABs (Radio Access Bearers) are released for a non-GBR (Guaranteed Bit Rate) PDP context (conversational or streaming). [TS 23.060 v8.10.0 says the S4-SGSN should deactivate a PDP context if RAB or Iu Release occurs for either a conversational or streaming PDP context.] "	Int64
system	disc-reason-445	sgsn-sgw-selection-failure Supported in Release 14.0.	The total number of session disconnects resulting from the S4-SGSN\'s inability to establish a PDP context in the following scenario: Either EPS or GPRS subscription is used. S4-SGSN chooses S4 interface for PDP activation because The UE is EPC-capable. EGTP service is configured. Operator Policy does not override the core-nw-interface to Gn. The SGSN successfully resolves P-GW address (S5/S8 address) for the APN requested. The SGSN tries S-GW resolution. If the DNS response fails and no local S-GW is configured for the RAI, then the PDP activation is reected with this disconnect reason. "	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-446	sgsn-pgw-selection-failure Supported in Release 14.0.	The total number of disconnects by the S4-enabled SGSN due to P-GW DNS failure for any cause other than the DNS response does not contain an S5/S8 address.	Int64
system	disc-reason-447	wimax-hotlining-status-change	The total number of disconnects resulting from a status change in the Hotlining-Capabilities sub-attribute in the WiMAX-Capabilities attribute.	Int64
system	disc-reason-448	ggsn-no-rsp-from-sgsn	The total number of sessions disconnected on GGSN node due to no response received from SGSN for a request.	Int64
system	disc-reason-449	diameter-protocol-error	The total number of sessions disconnected on IPCF node due to an error in Diameter protocol (such as, CCR-I parse failure). "	Int64
system	disc-reason-450	diameter-request-timeout	The total number of sessions disconnected on IPCF node due to Diameter (RAR/ASR) request timeout on IPCF node.	Int64
system	disc-reason-451	operator-policy	The total number of session disconnected on IPCF node due to parameters configured by operator for PCC policy.	Int64
system	disc-reason-452	spr-connection-error	The total number of sessions disconnected on IPCF node due to an error in connection between SSC and IPCF node or non-availability of SSC.	Int64
system	disc-reason-453	mipha-dup-wimax-session	The total number of WiMAX session disconnects resulting from duplicate Mobile IP Home Agent (MIPHA) logins.	Int64
system	disc-reason-454	invalid-version-attr	This disconnect reason is set, if there is mismatch of WiMAX-Release version supported by ASNGW and that supported by AAA. Mismatch of WiMAX-Release version supported by ASNGW and that supported by AAA. AAA sends WiMAX release in Radius packet.	Int64
system	disc-reason-455	sgsn-zone-code-failure	The total number of session disconnects experienced by the SGSN due to verification failure during the zone-code checking procedure.	Int64
system	disc-reason-456	invalid-qci	The total number of session disconnects resulting from the receipt of invalid QoS class identifiers (QCIs). This error is returned if an invalid QCI is used in certain operations such as create bearer, which expects a QCI. A QCI is deemed invalid if it is not a standard QCI (1-9) or the QCI is not defined in the QCI table associated with the service. "	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-457	no_rules	This session disconnect counter increases for eGCDR when the call is terminated because of the PCRF deleting a rulebase through RAR.	Int64
system	disc-reason-458	sgsn-rnc-no-dual-pdp-init-pdp-deact	The number of times the SGSN has deactivated a PDP because the MS/UE has roamed into an area where the RNC does not support dual PDP types. Deactivation would have been done with cause code "reactivation required". "	Int64
system	disc-reason-459	mme-init-ctxt-setup-failure	The total number of session disconnects resulting from context setup failures in the ENodeB during EMM/ECM procedures.	Int64
system	disc-reason-460	mme-driver-initiated	The total number of session disconnects resulting from the default value for mme-sessions.	Int64
system	disc-reason-461	mme-s1ap-connection-down	The total number of session disconnects resulting from S1AP connection failures.	Int64
system	disc-reason-462	mme-s1ap-reset-recd	The total number of session disconnects resulting from partial or full resets received for the S1 connection.	Int64
system	disc-reason-463	mme-s6a-response-timeout	The total number of session disconnects resulting from requests to the HSS that timed out (AIR or ULR).	Int64
system	disc-reason-464	mme-s13-response-timeout	The total number of session disconnects resulting from EIR query time outs.	Int64
system	disc-reason-465	mme-Illegal-equipment	The total number of session disconnects resulting from EIR query failures.	Int64
system	disc-reason-466	mme-unexpected-attach	The total number of session disconnects resulting from older sessions getting disconnected due to the UE executing an ATTACH procedure.	Int64
system	disc-reason-467	mme-sgw-selection-failure	The total number of session disconnects resulting from failed selections of S-GWs for the UE\'s current location.	Int64
system	disc-reason-468	mme-pgw-selection-failure	The total number of session disconnects resulting from failed selections of P-GWs for default APNs.	Int64
system	disc-reason-469	mme-reselection-to-sgsn	The total number of session disconnects resulting from a context request from an SGSN relocated call to 3G.	Int64
system	disc-reason-470	mme-relocation-to-sgsn	The total number of session disconnects resulting from calls transitioned to an SGSN using handover signaling.	Int64
system	disc-reason-471	mme-reselection-to-mme	The total number of session disconnects resulting from a context request from an MME relocated call to a different MME.	Int64
system	disc-reason-472	mme-relocation-to-mme	The total number of session disconnects resulting from calls transitioned to an MME using handover signaling.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-473	mme-tau-attach-collision	The total number of session disconnects resulting from processing a TAU request with a foreign GUTI that cleared an existing session on the MME.	Int64
system	disc-reason-474	mme-old-sgsn-resolution-failure	The total number of session disconnects resulting from calls setup using a PTMSI that failed due to failure in resolution of the old SGSN context.	Int64
system	disc-reason-475	mme-old-mme-resolution-failure	The total number of session disconnects resulting from calls setup using a foreign GUTI that failed due to a failure in resolution of the old MME context.	Int64
system	disc-reason-476	mme-reloc-ho-notify-timeout	The total number of session disconnects resulting from a handover based session origination failure due to an ho-notify timeout.	Int64
system	disc-reason-477	mme-reloc-ho-req-ack-timeout	The total number of session disconnects resulting from a handover based session origination failure due to an ho-request-ack timeout.	Int64
system	disc-reason-478	mme-create-session-timeout	The total number of session disconnects resulting from a create session request to the S-GW that timed out.	Int64
system	disc-reason-479	mme-create-session-failure	The total number of session disconnects resulting from a create session request to the S-GW that returned a failure response.	Int64
system	disc-reason-480	mme-s11-path-failure	The total number of session disconnects resulting from a call cleared due to an S11 path failure.	Int64
system	disc-reason-481	mme-policy-no-ue-irat	The total number of session disconnects resulting from a call cleared due to policy restrictions on inter-RAT handovers.	Int64
system	disc-reason-482	mme-x2-handover-failed	The total number of session disconnects resulting from a call cleared due to failures in x2 handovers.	Int64
system	disc-reason-483	mme-attach-restrict	The total number of session disconnects resulting from an operator policy based attach restriction.	Int64
system	disc-reason-484	In StarOS 15.0 and earlier releases. Note: The same information is also provided by disc-reason-492. mme-regional-zone-code	The total number of session disconnects resulting from the UE being in a zone code where the UE is not allowed to roam.	Int64
system	disc-reason-484 (dup)	In StarOS 16.0 and later releases. mme-reloc-to-non-3GPP	The total number of session disconnects resulting from outbound EUTRAN to Non-3GPP handovers.	Int64
system	disc-reason-485	mme-no-response-from-ue	The total number of session disconnects resulting from the maximum retransmission of a NAS message during session setup.	Int64
system	disc-reason-486	mme-sgw-relocation-failed	The total number of session disconnects resulting from an S-GW relocation procedure failing.	Int64
system	disc-reason-487	mme-implicit-detach	The total number of session disconnects resulting from the UE being implicitly detached due to inactivity.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-488	sgsn-detach-notify	Replaced by disc-reason-505 in Release 14.0.	Int64
system	disc-reason-489	In StarOS 12.1 and earlier releases. policy-initiated-release	The total number of times that a call disconnect occurs due to a Gx-initiated bearer release. For example, this disconnect reason may be used if there are any errors in the manner of the policy or rule configurations.	Int64
system	disc-reason-489 (dup)	In StarOS 12.2 and later releases. emergency-inactivity-timeout	The total number of sessions disconnected due to emergency inactivity timeout. The emergency session inactivity timeout is set on an APN configured as an emergency APN for VoLTE based E911 support.	Int64
system	disc-reason-490	In StarOS 12.1 and earlier releases. gy-result-code-system-failure	The total number of sessions disconnected due to failure result codes received from the Online Charging Server that resulted in system failure on the GTP side.	Int64
system	disc-reason-490 (dup)	In StarOS 12.2 and later releases. policy-initiated-release	The total number of times that a call disconnect occurs due to a Gx-initiated bearer release. For example, this disconnect reason may be used if there are any errors in the manner of the policy or rule configurations.	Int64
system	disc-reason-491	In StarOS 12.1 and earlier releases. emergency-inactivity-timeout	The total number of sessions disconnected due to emergency inactivity timeout. The emergency session inactivity timeout is set on an APN configured as an emergency APN for VoLTE-based E911 support.	Int64
system	disc-reason-491 (dup)	In StarOS 12.2 and later releases. gy-result-code-system-failure	The total number of sessions disconnected due to failure result codes received from the Online Charging Server that resulted in system failure on the GTP side.	Int64
system	disc-reason-492	mme-zone-code-validation-failed	The total number of session disconnects resulting from the UE being in a zone code where the UE is not allowed to roam.	Int64
system	disc-reason-493	sgsn-pgw-init-deact Supported in Release 14.0.	The total number of session disconnects resulting from an initial deactivation between the SGSN and the P-GW when the P-GW sends "Delete Bearer Request" to deactivate a PDP or a PDP bundle. "	Int64
system	disc-reason-494	s6b-ip-validation-failed Not supported in releases 12.0 or 12.2. Supported in release 14.0 and later.	The total number of session disconnects resulting from an IP validation failure on the S6b (3GPP AAA) interface.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-495	sgsn-failure-rsp-from-sgw Supported in Release 14.0.	The total number of session disconnects resulting from the SGSN receiving a failure response from the S-GW. This occurs in any of the following scenarios: The UE has successfully attached and activated the PDP contexts through the S4 interface and then the UE does a RAU to a new RA. During this RAU, the SGSN will do S-GW selection for the new RA. If the SGSN selects a new S-GW for this RA and sends "Create Session Request" to the new S-GW to setup a tunnel. But the new S-GW does not respond or the responds with a failure cause. The SGSN deactivates the PDP with this disconnect cause. In the case of a new-SGSN RAU without S-GW relocation, the new-SGSN sends "Modify Bearer Req" to inform the S-GW that the UE has moved to the new-SGSN but the SGSN does not receive any response from the S-GW. During intra-SGSN RAU with a change in the PLMN but without a change in the S-GW. In this case, SGSN will send "Modify Bearer Req" to inform the S-GW of the change in PLMN ID but SGSN does not receive any response from the S-GW. During intra-SGSN 3G-to-2G or 2G-to-3G inter-RAT RAU without an S-GW change. In this case, the SGSN sends "Modify Bearer Req" to inform the S-GW of the change in RAT type but the SGSN dpes not receive any response from the S-GW. "	Int64
system	disc-reason-496	tcp-remote-close	The total number of sessions disconnected due to a TCP FIN (finished sending) message received from the UE.	Int64
system	disc-reason-497	tcp-reset-received	The total number of sessions disconnected due to a TCP RST (reset) message received from the UE.	Int64
system	disc-reason-498	tcp-socket-error	The total number of sessions disconnected due to a socket error received from the trek stack at the access-side TCP socket connection between the UE and the TTG.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-499	ptmsi-signature-mismatch Supported in Release12.0.	The number of times the SGSN was unable to validate the P-TMSI signature, present in the Attach Request, against the PTMSI-SIGNATURE stored in SGSN. The SGSN sent an Attach Reject to MS if it did not match. This occurs when the GPRS service is configured to reject Attaches with mismatching P-TMSI-signature. This configuration is used to prevent collision of 2 Attach procedures from 2 subscribers with the same P-TMSI and then quickly enforces an IMSI Attach. "	Int64
system	disc-reason-500	camel-invalid-configuration Supported in Release14.0.	The number of times the SGSN has encountered an invalid Customized Applications for Mobile network Enhanced Logic (CAMEL) configuration. This condition typically occurs when a subscriber moves from 3G service to 2G service or vice versa and the CAMEL service is associated only in the source service but not in the target service. In such cases, RAU requests are rejected with disconnect reason "camel-invalid-configuration". "	Int64
system	disc-reason-501	4Gto3G-context-replacement	The total number of times a PGW call has been cleared when a new call request came on GGSN and PGW already had a call with the same IMSI. ISR is enabled.	Int64
system	disc-reason-502	mme-isr-sgsn-init-detach	The total number of times an MME, with IRS enabled, deletes a subscriber to detach the UE after receiving an S3 Detach Notification from the SGSN with cause code "complete detach". "	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-503	sgsn-isr-addl-ptmsi-rai Supported in Release14.0.	The total number of times the SGSN has disconnected a session because the SGSN has sent an additional P-TMSI Attach request during Idle Mode Signalling Reduction (ISR). This cause is used to peg the clearing of stale contexts. This can occur in the following scenario: The UE is registered with both the MME and the SGSN and ISR is active. Due to one of the reasons mentioned in Annex J.6 of TS 23.401, ISR is deactivated at the UE but has not deactivated at either the SGSN or the MME which means the UE\'s last point of attachment at the time of ISR deactivation is the MME. Now the UE does a RAU to the SGSN. The UE will send old-RAI mapped from the GUTI (since the ISR is deactivated and the UE\'s last point of attachment was the MME) and also an additional RAI / P-TMSI which is the P-TMSI/RAI given by the SGSN at the time of ISR activation in step 1. This additional P-TMSI / RAI helps the SGSN to locate the stale UE context and clean it up. (The SGSN received a RAU with an old-RAI mapped from the GUTI so the SGSN needs to build a fresh UE context by fetching information from the MME - "Context Req/Rsp/Ack".) "	Int64
system	disc-reason-504	sgsn-sgw-dbr-cause-isr-deact Supported in Release14.0.	The number of times "Delete Bearer Requests" occurred between the SGSN and the S-GW due to ISR being deactivated. This occurs when the SGSN locally deactivate PDP contexts after receiving "Delete Bearer Requests" with cause "ISR Deactivation" from the S-GW. "	Int64
system	disc-reason-505	sgsn-isr-mme-init-detach Supported in Release14.0.	The number of times Init Detach occurred between the SGSN and the MME with ISR activated. This occurs when the SGSN receives "S3 Detach Notification" with cause "Complete Detach" from the MME. "	Int64
system	disc-reason-506	mme-sgw-dbr-cause-isr-deact	The number of times Delete Bearer Requests occurred between MME and SGW due to ISR being deactivated.	Int64
system	disc-reason-507	sgsn-ptmsi-crunch Supported in Release14.0.	The total number of sessions disconnected by the SGSN when there is a shortage of PTMSIs which can occur when the number of possible subscribers per SessMgr has increased (with a PSC3) but the number of local NRI has not been increased in the configuration.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-508	3Gto4G-context-replacement Supported in Release 14.0	The total number of times a GGSN call has been cleared when a new call request came on PGW and GGSN already had a call with the same IMSI. Idle mode Signaling Reduction (ISR) is enabled.	Int64
system	disc-reason-509	sgsn-actv-reject-on-dns-failure	Never used. Removed in Release 14.0.	Int64
system	disc-reason-509 (dup)	mme-no-eps-bearers-activated	The number of times the MME has rejected a TAU Attach Request due to any of the following reasons: EPS Context Status IE value = 0 (which implies no EPS bearers were active in UE). The SGSN Context Response received by the MME did not have any PDP Contexts or the Response which included the PDP Contexts encountered basic decoding issues (like incorrectly encoded APN, etc). "	Int64
system	disc-reason-510	intra-ggsn-handoff Supported in Release 14.0	The total number of times a call has been disconnected while being handed off within a GGSN node.	Int64
system	disc-reason-511	WSG-Auth-failed Supported in Release 14.1	The total number of times a call has been disconnected when it could not be authenticated via a Wireless Security Gateway.	Int64
system	disc-reason-512	Gtp-non-existent-pdp-context Supported in Release 14.1	The total number of times a call has been disconnected because the GTP PDP context did not exist.	Int64
system	disc-reason-513	sgsn-cancel-loc-inital-attach	In StarOS 14.0 and later. The number of times a subscriber disconnects due to CLR with "initial attach procedure" as the cancellation type. "	Int64
system	disc-reason-514	Local-fallback-timeout	The total number of times the call gets disconnected due to the local policy timeout when Gx is not reachable.	Int64
system	disc-reason-515	sgsn-nrspca-actv-rej-by-sgsn	The total number of times the network requested secondary PDP context activation (NRSPCA) procedure did not complete successfully for any reason other than the MS rejecting the procedure by sending a Request Secondary PDP Context Activation Reject message to the SGSN.	Int64
system	disc-reason-516	sgsn-nrspca-actv-rej-by-ms	The total number of times the MS rejects the NRSPCA procedure by sending Request Secondary PDP Context Activation Reject message to the SGSN.	Int64
system	disc-reason-517	ims-authorization-config-delete	The total number of times the sessions are disconnected due to IMS Authorization configuration being deleted.	Int64
system	disc-reason-518	sgsn-no-ptmsi-signature	The total number of times the SGSN disconnects a subscriber (from an MME) because no PTMSI-signature was included in the RAU Request.	Int64
system	disc-reason-519	ePDG-dns-server-not-reachable(519)	The total number of times the DNS server could not be reached by the ePDG.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-519 (dup)	pgw-sel-dns-server-nt-reachable(519)	The number of sessions disconnected by the P-GW when its selected DNS server was not reachable.	Int64
system	disc-reason-520	ePDG-dns-no-resource-records(520)	The total number of times the DNS server did not have resource records when requested by the ePDG.	Int64
system	disc-reason-520 (dup)	pgw-sel-dns-no-resource-records(520)	The number of sessions disconnected by the P-GW when its selected DNS server had no resource records.	Int64
system	disc-reason-521	ePDG-dns-no-service-params(521)	The total number of times the DNS server did not have service parameters when requested by the ePDG..	Int64
system	disc-reason-521 (dup)	pgw-sel-dns-no-service-params(521)	The number of sessions disconnected by the P-GW when its selected DNS server had no service parameters.	Int64
system	disc-reason-522	ePDG-Auth-failed(522)	The total number of times ePDG authentication failed.	Int64
system	disc-reason-523	ePDG-pgw-sel-failure-initial(523)	The total number of times the ePDG initially failed to contact the selected P-GW.	Int64
system	disc-reason-524	ePDG-pgw-sel-failure-handoff(524)	The total number of times the ePDG failed to handoff to the selected P-GW.	Int64
system	disc-reason-525	sgsn-ho-sgw-reloc-collision(525)	The total number of Relocation Collisions encountered during an SGSN handover to S-GW.	Int64
system	disc-reason-526	ePDG-dbr-from-pgw(526)	The total number of times the ePDG used domain based routing to resolve the hostname of the P-GW.	Int64
system	disc-reason-527	ePDG-gtpc-abort-session(527)	The total number of times the ePDG received GTP-C abort session messages.	Int64
system	disc-reason-528	ePDG-gtpu-abort-session(528)	The total number of times the ePDG received GTP-U abort session messages.	Int64
system	disc-reason-529	ePDG-gtpu-error-ind(529)	The total number of times the ePDG received GTP-U error indications.	Int64
system	disc-reason-530	ePDG-pgw-not-reachable(530)	The total number of times the ePDG was not able to reach the P-GW.	Int64
system	disc-reason-531	ePDG-reject-from-pgw(531)	The total number of times the ePDG was rejected by the P-GW.	Int64
system	disc-reason-532	IPSG-session-replacement(532)	The total number of times existing IPSG sessions have been replaced by new sessions. IPSG session replacement must be enabled.	Int64
system	disc-reason-533	ePDG-release-due-to-handoff(533)	The total number of times the ePDG was released due to a handoff.	Int64
system	disc-reason-534	mme-foreign-plmn-guti-rejected(534) This disconnect reason is supported in Release 15.0 and higher.	The total number of sessions disconnected resulting from restrictions set in the Foreign PLMN GUTI Management Database (foreign-plmn-guti-mgmt-db) configured in the lte-policy mode and which has been associated with the MME service.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-535	sgsn-dsd-allepswithdrawn(535)□	The total number of sessions disconnected due to the SGSN receiving a DSD message from the HLR, with the All EPS subscription withdrawn" flag set to true. The SGSN responds as if receiving a cancel location (subscription withdrawn) and clears the subscriber fully using this disconnect reason.	Int64
system	disc-reason-536	NAT-Pool-BusyOut-Or-Pend-Delete(536)	The number of sessions disconnected because the NAT pool was busied-out or in Pending Delete state.	Int64
system	disc-reason-537	Invalid-APN(537)	The number of sessions disconnected because an ePDG rejected the incoming new call due to an APN syntax error (invalid length).	Int64
system	disc-reason-538	srvcc-ps-to-cs-handover(538)	The number of sessions disconnected because bearers were deactivated as a part of an SRVCC PS-to-CS handover.	Int64
system	disc-reason-539	henbgw-mme-s1ap-reset-recd(539)	The number of sessions disconnected by the HeNBGW when an S1 Application Protocol (S1AP) RESET was received from the MME.	Int64
system	disc-reason-540	henbgw-henb-s1ap-reset-recd(540)	The number of sessions disconnected by the HeNBGW when an S1AP RESET was received from the HeNB.	Int64
system	disc-reason-541	henbgw-mme-sctp-conn-down(541)	The number of sessions disconnected by the HeNBGW when an SCTP Connection Down was received from the MME.	Int64
system	disc-reason-542	henbgw-henb-sctp-conn-down(542)	The number of sessions disconnected by the HeNBGW when an SCTP Connection Down was received from the HeNB.	Int64
system	disc-reason-543	henbgw-handoff-complete(543)	The number of sessions disconnected by the HeNBGW when a handoff was completed.	Int64
system	disc-reason-544	henbgw-handover-failed(544)	The number of sessions disconnected by the HeNBGW when a handoff failed.	Int64
system	disc-reason-545	henbgw-mme-error-indication(545)	The number of sessions disconnected by the HeNBGW when an MME error indication was received.	Int64
system	disc-reason-546	henbgw-henb-error-indication(546)	The number of sessions disconnected by the HeNBGW when an HeNB error indication was received.	Int64
system	disc-reason-547	henbgw-henb-initiated-release(547)	The number of sessions disconnected by the HeNBGW due to an HeNB initiated release.	Int64
system	disc-reason-548	henbgw-mme-initiated-release(548)	The number of sessions disconnected by the HeNBGW due to an MME initiated release.	Int64
system	disc-reason-549	henbgw-duplicate-session(549)	The number of sessions disconnected by the HeNBGW because of duplicate sessions.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-550	Transport-mismatch-with-PGW(550)	The number of sessions disconnected by the ePDG due to a DNS server IPv4-IPv6 mismatch for the P-GW IP address.	Int64
system	disc-reason-551	icsr-ipsec-chkpt-failed(551)	The number of sessions disconnected due IPSec checkpoint failure in ICSR setup.	Int64
system	disc-reason-552	sgsn-dbr-cause-isr-deact-detach(552)	The number of times subscribers are detached from the SGSN as a result of Delete Bearer Request messages being received from the SGW which causes Idle-mode Signaling Reduction (ISR) deactivation for ISR-activated subscribers.	Int64
system	disc-reason-553	unexpected-scenario	The number of times that an unexpected call processing scenario has been encountered. This scenario may have caused an assertion failure with an associated core dump.	Int64
system	disc-reason-554	icsr-delete-standby	The number of times that a session was deleted on the standby ICSR chassis when a call clear trigger is received from the active chassis or the call is removed for re-establishment when a full checkpoint was received	Int64
system	disc-reason-555	ePDG-local-pgw-resolution-failed	The number of times that local resolution of an ePDG session failed due to a configuration error. This scenario occurs if PGW resolution is enabled, the existing DNS/AAA server PGW resolution mechanism failed, and no disconnect reason has been already set from a another mechanism. "	Int64
system	disc-reason-556	sgsn-dbr-cause-isr-deact-detach	If \'reject\' is the configured option for random-value-in-iov-ui negotiation-failure-action under GPRS service configuration, then the SGSN uses this disconnect-reason to track the number of calls cleared due to the default behavior, which rejects any call when random IOV-UI negotiation fails. "	Int64
system	disc-reason-557	henbgw-gw2henb-inv-mmeues1apid	The number of times an HeNB gateway to HeNB session disconnected due to an invalid UE S1 Application Protocol (S1AP) ID.	Int64
system	disc-reason-558	henbgw-gw2mme-inv-mmeues1apid	The number of times an HeNB gateway to MME session disconnected due to an invalid UE S1AP ID.	Int64
system	disc-reason-559	henbgw-henb-sess-henb-conn-down	The number of times an HeNB gateway to HeNB session disconnected because the HeNB connection went down.	Int64
system	disc-reason-560	henbgw-nw-path-unavailable	The number of HeNB gateway session disconnects because a network path was unavailable.	Int64
system	disc-reason-561	pgw-transaction-timeout	The number of session disconnects due to a P-GW transaction timeout.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-562	samog-multi-dev-pgw-sel-failure	The number of times a SaMOG multiple device session disconnect has occured due a P-GW selection failure.	Int64
system	disc-reason-563	samog-multi-dev-demux-failure	The number of times a SaMOG multiple device session disconnect has occured due a demux failure.	Int64
system	disc-reason-564	mme-pgw-restarted	The number of times a session disconnect has occured due to a P-GW Restart Notification (PRN). Updated description based on MME 17.0 - CSCum35668	Int64
system	disc-reason-565	samog-session-replacement	The number of times a SaMOG session was replaced.	Int64
system	disc-reason-566	authorization-failed	The number of times a SaMOG session was disconnected because authorization failed.	Int64
system	disc-reason-567	mm-apn-congestion-control	The number of times an SGSN Attach or Inter SGSN RAU call was dropped due to APN congestion control.	Int64
system	disc-reason-568	samog-pgw-init-detach	The number of times a SaMOG session was disconnected due to PGW initial detach failure.	Int64
system	disc-reason-569	samog-ggsn-init-detach	The number of times a SaMOG session was disconnected due to GGSN initial detach failure.	Int64
system	disc-reason-570	samog-pgw-rejected(	The number of times a SaMOG session was disconnected due to PGW rejection.	Int64
system	disc-reason-571	samog-ggsn-rejected	The number of times a SaMOG session was disconnected due to GGSN rejection.	Int64
system	disc-reason-572	samog-pgw-no-response(	The number of times a SaMOG session was disconnected due to no response from the PGW.	Int64
system	disc-reason-573	samog-ggsn-no-response	The number of times a SaMOG session was disconnected due to no response from the GGSN.	Int64
system	disc-reason-574	samog-gtpc-path-failure	The number of times a SaMOG session was disconnected due to GTPC path failure.	Int64
system	disc-reason-575	samog-gtpc-path-failure	The number of times a SaMOG session was disconnected due to GTPU path failure.	Int64
system	disc-reason-576	samog-gtpu-err-ind	The number of times a SaMOG session was disconnected due to a GTPU error indication.	Int64
system	disc-reason-577	samog-mandatory-ie-missing	The number of times a SaMOG session was disconnected due to a missing mandatory information element.	Int64
system	disc-reason-578	samog-mandatory-ie-incorrect	The number of times a SaMOG session was disconnected because of an incorrect mandatory information element.	Int64
system	disc-reason-579	samog-ip-alloc-failed	The number of times a SaMOG session was disconnected because of an IP address allocation failure.	Int64
system	disc-reason-580	samog-default-gw-not-found	The number of times a SaMOG session was disconnected because the default gateway was not found.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-581	samog-dns-unreachable	The number of times a SaMOG session was disconnected because the DNS server was unreachable.	Int64
system	disc-reason-582	samog-dns-no-resource-records	The number of times a SaMOG session was disconnected because there were no DNS resource records.	Int64
system	disc-reason-583	samog-dns-no-service-params	The number of times a SaMOG session was disconnected because of DNS no-service parameters.	Int64
system	disc-reason-584	samog-internal-error	The number of times a SaMOG session was disconnected because of an internal error.	Int64
system	disc-reason-585	handoff-pcf-restriction	Not supported. Refer instead to the handoff-pcf-restriction(585) field in the show session disconnect-reasons verbose command. [Samrat] - CSCuq74266: "This disconnect reason is incremented for the case when handoffs happen from restricted to unrestricted PCF, or conversely from unrestricted PCF to restricted PCF, or handoffs between restricted PCFs." "	Int64
system	disc-reason-586	graceful-cleanup-on-audit-fail		Int64
system	disc-reason-587	ue-ctxt-normal-del-ntsr-ddn	The number of UE contexts that were created to handle Network Triggered Service Restoration (NTSR) DDNs and are destroyed when the UE re-attaches.	Int64
system	disc-reason-588	session-auto-delete	The percentage of the total number of GGSN, P-GW, S-GW, SAEGW or ePDG sessions that have been auto deleted. "	Int64
system	disc-reason-589	mme-qos-pgw-upgrade-reject	Not supported. Refer instead to the mme-qos-pgw-upgrade-reject(589) field in the show session disconnect-reasons verbose command. [Neal] - 15.0 MR5 - MME - CSCuo27283: "The number of session disconnected when a QoS upgrade from P-GW is rejected by the MME during initial attach." "	Int64
system	disc-reason-590	Supported in Release 18.0 and later releases. path-failure-s5(590)	The number of S-GW/SAEGW sessions disconnected due to an S5 GTPC path failure.	Int64
system	disc-reason-591	Supported in Release 18.0 and later releases. path-failure-s11(591)	The number of S-GW/SAEGW sessions disconnected due to an S11 GTPC path failure.	Int64
system	disc-reason-592	Supported in Release 18.0 and later releases. path-failure-s4(592)	The number of S-GW/SAEGW sessions disconnected due to an S4 GTPC path failure.	Int64
system	disc-reason-593	Supported in Release 18.0 and later releases. gtpu-path-failure-s5u(593)	The number of S-GW/SAEGW sessions disconnected due to an S5u GTPU path failure.	Int64
system	disc-reason-594	Supported in Release 18.0 and later releases. gtpu-path-failure-s1u(594)	The number of S-GW/SAEGW sessions disconnected due to an S1u GTPU path failure.	Int64
system	disc-reason-595	Supported in Release 18.0 and later releases. gtpu-path-failure-s4u(595)	The number of S-GW/SAEGW sessions disconnected due to an S4u GTPU path failure.	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-596	Supported in Release 18.0 and later releases. gtpu-path-failure-s12(596)	The number of S-GW/SAEGW sessions disconnected due to an S12 GTPU path failure.	Int64
system	disc-reason-597	Supported in Release 18.0 and later releases. gtpu-err-ind-s5u(597)	The number of S-GW/SAEGW sessions disconnected due to an S5u GTPU error indication.	Int64
system	disc-reason-598	Supported in Release 18.0 and later releases. gtpu-err-ind-s1u(598)	The number of S-GW/SAEGW sessions disconnected due to an S1u GTPU error indication.	Int64
system	disc-reason-599	Supported in Release 18.0 and later releases. gtpu-err-ind-s4u(599)	The number of S-GW/SAEGW sessions disconnected due to an S4u GTPU error indication.	Int64
system	disc-reason-600	Supported in Release 18.0 and later releases. gtpu-err-ind-s12(600)	The number of S-GW/SAEGW sessions disconnected due to an S12 GTPU error indication.	Int64
system	disc-reason-601	Supported in Release 18 and later releases. diameter-network-too-busy(601)	The number of ePDG sessions disconnected due to a network too busy indication.	Int64
system	disc-reason-602	Supported in Release 18 and later releases. diameter-network-failure(602)	The number of times a temporary network failure has prevented establishing a Diameter session.	Int64
system	disc-reason-603	Supported in Release 18 and later releases. diameter-roaming-not-allowed(603)	The number of times a user is not allowed to roam in the visited network.	Int64
system	disc-reason-604	Supported in Release 18 and later releases. diameter-rat-disallowed(604)	Sent by the HSS to indicate the RAT type the UE is using is not allowed for the IMSI.	Int64
system	disc-reason-605	Supported in Release 18 and later releases. diameter-no-subscription(605)□	Sent by the 3GPP AAA Server to indicate that the requested APN is not included in the user\'s profile and, therefore, is not authorized for that user.	Int64
system	disc-reason-606	Supported in Release 18 and later releases. pcc-data-mismatch(606)	The number of times a session has been disconnected due to a Policy and Charging Control (PCC) Packet Control Function (PCF) mismatch.	Int64
system	disc-reason-607	Supported in Release 18 and later releases. mme-embms-call-setup-timeout(607)	The number of times an eMBMS call setup has timed out.	Int64
system	disc-reason-608	Supported in Release 18 and later releases. mme-embms-normal-disconnect(608)	The number of times an eMBMS call has disconnected normally.	Int64
system	disc-reason-609	Supported in Release 18 and later releases. mme-embms-sctp-down(609)	The number of times an eMBMS call experienced a Stream Control Transmission Protocol (SCTP) failure.	Int64
system	disc-reason-610	Supported in Release 18 and later releases. disconnect-from-charging-server(610)	The number of times a connection has been terminated due to a Gy interface failure (GGSN to OCS).	Int64
system	disc-reason-611	Supported in Release 18 and later releases. disconnect-irat-fail-hi-missing(611)	The number of times a call is terminated due to HI=1 not being received (Mandatory id) during a WiFi to LTE handoff.	Int64
system	disc-reason-612	Not yet supported. In development for future use. apn-not-supported-in-plmn-rat(612)	The number of times the requested APN is not supported in current RAT and PLMN combination (cause code 66).	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-613	Supported in Release 18 and later releases. ue-pcscf-reselect-not-supported(613)	The number of times a call has been disconnected in the following scenario. If the UE does not support P-CSCF Reselection (PCO based optional extension as per Rel 12, 3GPP 23.380 section 5.4.3), the P-GW initiates a DBReq with cause Reactivation Requested on receiving an MBReq with PCRI (P-CSCF Restoration Indication). The call is then torn down.	Int64
system	disc-reason-614	Not yet supported. In development for future use. newer-session-detected(614)	TBS	Int64
system	disc-reason-615	Not yet supported. In development for future use. mme-guti_realloc_failed-detach(615)	MME will detach the UE after 10 consecutive unsuccessful GUTI Reallocation attempts with this disconnect reason.	Int64
system	disc-reason-616	Not yet supported. In development for future use. mme-pcscf-rest-detach(616)	TBS	Int64
system	disc-reason-617	Supported in release 18 and later releases. Reject-ho-old-tun-path-failure(617)	A tunnel path failure occurred during an LTE/Wi-Fi handoff.	Int64
system	disc-reason-619	dup-static-ipv6-addr-req	This disconnect reason is incremented when the existing PDN gets gracefully aborted due to a duplicate IPv6 address request received from new PDN. The existing call gets aborted only when the CLI "newcall duplicate-subscriber-requested-v6-address accept" is configured under GGSN/PGW service.	Int64
system	disc-reason-620	mip-path-failure	This disconnect reason will be incremented when the peer is not reachable or when the peer restarts and sends new restart counter.	Int64
system	disc-reason-621	apn-congestion	This disconnect reason will be incremened when an incoming call is identified as Low Access Priority Indicator (LAPI), and PGW is in Overload state and Backoff timer is configured and the call is rejected with cause "APN congestion".	Int64
system	disc-reason-622	ue-redirected(622)	Total number of sessions disconnected due to UE redirection.	Int64
system	disc-reason-623	ePDG-s2b-access-denied	Total number of sessions disconnected on ePDG due to s2b cause codes mapped to private IKEv2 notify payload type "access denied".	Int64
system	disc-reason-624	ePDG-s2b-network-failure	Total number of sessions disconnected on ePDG due to s2b cause codes mapped to private IKEv2 notify payload type "network failure".	Int64
system	disc-reason-625	ePDG-s2b-msg-failure	Total number of sessions disconnected on ePDG due to s2b cause codes mapped to private IKEv2 notify payload type “message failure".	Int64

Schema	Disc-reason	Name	Description	Counter-type
system	disc-reason-626	ePDG-s2b-rat-disallowed	Total number of sessions disconnected on ePDG due to s2b cause code "RAT disallowed" which is mapped to private IKEv2 notify payload type "RAT Disallowed".	Int64
system	disc-reason-627	ePDG-roaming-mandatory	Total the number of sessions disconnected due to DNS failure when roaming is mandatory.	Int64
system	disc-reason-628	Gtpv2-context-not-found	Total the number of sessions disconnected due gtp cause code "Context Not Found".	Int64
system	disc-reason-629	SaMOG-access-switch-timeout	Increments when access switch from pmipv6 access-type to eogre access-type is not completed.	Int64
system	disc-reason-630	Decrypt-fail-count-exceeded	Total number of sessions disconnected due to decryption failure count exceeded.	Int64
system	disc-reason-631	emergency-idle-timeout	Total number of emergency sessions disconnected due to idle session timeout.	Int64
system	disc-reason-632	Supported in release 21.3 and later releases. gtpu-path-failure-s11u (632)	The number of times a SGW session has been disconnected due to GTPU echo failure on s11u interface.	Int64
system	disc-reason-633	Supported in release 21.3 and later releases. gtpu-err-ind-s11u (633)	The number of times a SGW session has been disconnected due to Error Indication on s11u interface	Int64

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	card	INT32	Primary-key	active	Chassis Slot Numbers	Not Defined	Not Defined	Standard
card	cpubusy	FLOAT	Gauge	active	Total CPU busy (across all CPUs, as percentage)	Not Defined	Not Defined	Standard
card	cpuidle	FLOAT	Gauge	active	Total CPU idle (across all CPUs, as percentage)	Not Defined	Not Defined	Standard
card	numproc	INT32	Incremental	active	Total number of processes	Not Defined	Not Defined	Standard
card	memused	INT32	Gauge	active	Total amount of memory used (across all processors)	Not Defined	Not Defined	Standard
card	memtotal	INT32	Gauge	active	Total amount of memory available (across all processors)	Not Defined	Not Defined	Standard
card	numcpu	INT32	Gauge	active	The total number of CPUs	Not Defined	Not Defined	Standard
card	cpu0-cpubusy	FLOAT	Gauge	active	The percentage of time that CPU 0 was busy	Not Defined	Not Defined	Standard
card	cpu0-cpuidle	FLOAT	Gauge	active	The percentage of time that CPU 0 was idle	Not Defined	Not Defined	Standard
card	cpu0-numproc	INT32	Incremental	active	The number of processes running on CPU 0	Not Defined	Not Defined	Standard
card	cpu0-memused	INT32	Gauge	active	The amount of memory used on CPU 0	Not Defined	Not Defined	Standard
card	cpu0-memtotal	INT32	Gauge	active	The total amount of memory available for CPU 0	Not Defined	Not Defined	Standard
card	cpu0-name	STRING	Gauge	active	A string designating the name of CPU 0.	Not Defined	Not Defined	Standard
card	cpu0-cpuused-user	FLOAT	Gauge	active	The percentage of resources on CPU 0 used in user session processing.	Not Defined	Not Defined	Standard
card	cpu0-cpuused-sys	FLOAT	Gauge	active	The percentage of resources on CPU 0 used by system tasks.	Not Defined	Not Defined	Standard
card	cpu0-cpuused-io	FLOAT	Gauge	active	The percentage of resources on CPU 0 used by input/output functions.	Not Defined	Not Defined	Standard
card	cpu0-cpuused-irq	FLOAT	Gauge	active	The percentage of resources on CPU 0 used by interrupt requests.	Not Defined	Not Defined	Standard
card	cpu0-cpuused-idle	FLOAT	Gauge	active	The percentage of resources on CPU 0 that are idle.	Not Defined	Not Defined	Standard
card	cpu1-cpubusy	FLOAT	Gauge	active	The percentage of time that CPU 1 was busy	Not Defined	Not Defined	Standard
card	cpu1-cpuidle	FLOAT	Gauge	active	The percentage of time that CPU 1 was idle	Not Defined	Not Defined	Standard
card	cpu1-numproc	INT32	Incremental	active	The number of processes running on CPU 1	Not Defined	Not Defined	Standard
card	cpu1-memused	INT32	Gauge	active	The amount of memory used on CPU 1	Not Defined	Not Defined	Standard
card	cpu1-memtotal	INT32	Gauge	active	The total amount of memory available for CPU 2	Not Defined	Not Defined	Standard
card	cpu1-name	STRING	Gauge	active	A string designating the name of CPU 1.	Not Defined	Not Defined	Standard
card	cpu1-cpuused-user	FLOAT	Gauge	active	The percentage of resources on CPU 1 used in user session processing.	Not Defined	Not Defined	Standard
card	cpu1-cpuused-sys	FLOAT	Gauge	active	The percentage of resources on CPU 1 used by system tasks.	Not Defined	Not Defined	Standard
card	cpu1-cpuused-io	FLOAT	Gauge	active	The percentage of resources on CPU 1 used by input/output functions.	Not Defined	Not Defined	Standard
card	cpu1-cpuused-irq	FLOAT	Gauge	active	The percentage of resources on CPU 1 used by interrupt requests.	Not Defined	Not Defined	Standard
card	cpu1-cpuused-idle	FLOAT	Gauge	active	The percentage of resources on CPU 1 that are idle.	Not Defined	Not Defined	Standard
card	cpu2-cpubusy	FLOAT	Gauge	active	The percentage of time that CPU 2 was busy	Not Defined	Not Defined	Standard
card	cpu2-cpuidle	FLOAT	Gauge	active	The percentage of time that CPU 2 was idle	Not Defined	Not Defined	Standard
card	cpu2-numproc	INT32	Incremental	active	The number of processes running on CPU 2	Not Defined	Not Defined	Standard
card	cpu2-memused	INT32	Gauge	active	The amount of memory used on CPU 2	Not Defined	Not Defined	Standard
card	cpu2-memtotal	INT32	Gauge	active	The total amount of memory available for CPU 2	Not Defined	Not Defined	Standard
card	cpu2-name	STRING	Gauge	active	A string designating the name of CPU 2.	Not Defined	Not Defined	Standard
card	cpu2-cpuused-user	FLOAT	Gauge	active	The percentage of resources on CPU 2 used in user session processing.	Not Defined	Not Defined	Standard
card	cpu2-cpuused-sys	FLOAT	Gauge	active	The percentage of resources on CPU 2 used by system tasks.	Not Defined	Not Defined	Standard
card	cpu2-cpuused-io	FLOAT	Gauge	active	The percentage of resources on CPU 2 used by input/output functions.	Not Defined	Not Defined	Standard
card	cpu2-cpuused-irq	FLOAT	Gauge	active	The percentage of resources on CPU 2 used by interrupt requests.	Not Defined	Not Defined	Standard
card	cpu2-cpuused-idle	FLOAT	Gauge	active	The percentage of resources on CPU 2 that are idle.	Not Defined	Not Defined	Standard
card	cpu3-cpubusy	FLOAT	Gauge	active	The percentage of time that CPU 3 was busy	Not Defined	Not Defined	Standard
card	cpu3-cpuidle	FLOAT	Gauge	active	The percentage of time that CPU 3 was idle	Not Defined	Not Defined	Standard
card	cpu3-numproc	INT32	Incremental	active	The number of processes running on CPU 3	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu3-memused	INT32	Gauge	active	The amount of memory used on CPU 3	Not Defined	Not Defined	Standard
card	cpu3-memtotal	INT32	Gauge	active	The total amount of memory available for CPU 3	Not Defined	Not Defined	Standard
card	cpu3-name	STRING	Gauge	active	A string designating the name of CPU 3.	Not Defined	Not Defined	Standard
card	cpu3-cpuused-user	FLOAT	Gauge	active	The percentage of resources on CPU 3 used in user session processing.	Not Defined	Not Defined	Standard
card	cpu3-cpuused-sys	FLOAT	Gauge	active	The percentage of resources on CPU 3 used by system tasks.	Not Defined	Not Defined	Standard
card	cpu3-cpuused-io	FLOAT	Gauge	active	The percentage of resources on CPU 3 used by input/output functions.	Not Defined	Not Defined	Standard
card	cpu3-cpuused-irq	FLOAT	Gauge	active	The percentage of resources on CPU 3 used by interrupt requests.	Not Defined	Not Defined	Standard
card	cpu3-cpuused-idle	FLOAT	Gauge	active	The percentage of resources on CPU 3 that are idle.	Not Defined	Not Defined	Standard
card	cpu0-core0-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 0 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core1-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 1 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core2-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 2 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core3-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 3 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core4-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 4 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core5-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 5 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core6-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 6 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core7-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 7 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core8-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 8 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core9-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 9 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core10-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 10 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core11-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 11 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core12-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 12 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core13-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 13 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core14-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 14 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core15-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 15 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core16-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 16 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core17-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 17 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core18-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 18 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core19-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 19 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core20-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 20 that are used for crypto operations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu0-core21-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 21 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core22-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 22 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core23-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 23 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core24-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 24 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core25-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 25 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core26-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 26 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core27-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 27 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core28-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 28 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core29-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 29 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core30-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 30 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core31-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 31 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core32-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 32 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core33-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 33 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core34-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 34 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core35-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 35 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core36-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 36 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core37-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 37 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core38-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 38 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core39-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 39 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core40-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 40 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core41-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 41 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core42-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 42 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core43-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 43 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core44-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 44 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core45-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 45 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core46-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 46 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu0-core47-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 0 core 47 that are used for crypto operations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu1-core0-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 0 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core1-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 1 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core2-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 2 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core3-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 3 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core4-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 4 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core5-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 5 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core6-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 6 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core7-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 7 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core8-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 8 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core9-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 9 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core10-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 10 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core11-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 11 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core12-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 12 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core13-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 13 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core14-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 14 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core15-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 15 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core16-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 16 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core17-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 17 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core18-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 18 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core19-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 19 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core20-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 20 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core21-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 21 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core22-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 22 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core23-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 23 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core24-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 24 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core25-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 25 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core26-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 26 that are used for crypto operations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu1-core27-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 27 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core28-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 28 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core29-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 29 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core30-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 30 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core31-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 31 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core32-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 32 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core33-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 33 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core34-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 34 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core35-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 35 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core36-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 36 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core37-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 37 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core38-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 38 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core39-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 39 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core40-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 40 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core41-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 41 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core42-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 42 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core43-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 43 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core44-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 44 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core45-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 45 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core46-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 46 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu1-core47-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 1 core 47 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core0-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 0 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core1-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 1 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core2-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 2 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core3-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 3 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core4-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 4 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core5-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 5 that are used for crypto operations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu2-core6-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 6 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core7-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 7 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core8-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 8 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core9-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 9 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core10-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 10 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core11-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 11 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core12-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 12 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core13-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 13 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core14-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 14 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core15-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 15 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core16-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 16 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core17-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 17 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core18-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 18 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core19-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 19 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core20-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 20 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core21-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 21 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core22-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 22 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core23-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 23 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core24-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 24 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core25-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 25 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core26-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 26 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core27-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 27 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core28-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 28 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core29-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 29 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core30-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 30 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core31-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 31 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core32-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 32 that are used for crypto operations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu2-core33-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 33 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core34-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 34 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core35-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 35 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core36-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 36 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core37-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 37 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core38-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 38 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core39-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 39 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core40-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 40 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core41-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 41 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core42-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 42 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core43-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 43 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core44-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 44 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core45-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 45 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core46-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 46 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	cpu2-core47-coreused-crypto	FLOAT	Gauge	active	The percentage of resources on CPU 2 core 47 that are used for crypto operations.	Not Defined	Not Defined	Standard
card	15avg-cpubusy	FLOAT	Gauge	active	Average CPU usage across all CPUs on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	15peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage across all CPUs on this card. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	5avg-cpubusy	FLOAT	Gauge	active	Average CPU usage across all CPUs on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	5peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage across all CPUs on this card. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	1avg-cpubusy	FLOAT	Gauge	active	Average CPU usage across all CPUs on this card over a 1-minute period	Not Defined	Not Defined	Standard
card	15avg-memused	FLOAT	Gauge	active	Average memory usage across all CPUs on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	15peak-memused	FLOAT	Gauge	active	Peak memory usage across all CPUs on this card. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	5avg-memused	FLOAT	Gauge	active	Average memory usage across all CPUs on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	5peak-memused	FLOAT	Gauge	active	Peak memory usage across all CPUs on this card. This is the peak 1-minute average over the last 5-minutes.	Not Defined	Not Defined	Standard
card	1avg-memused	FLOAT	Gauge	active	Average memory usage across all CPUs on this card over a 1-minute period.	Not Defined	Not Defined	Standard
card	cpu0-15avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 0 on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu0-15peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 0. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu0-5avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 0 on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu0-5peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 0. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu0-1avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 0 on this card over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu0-15avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 0 over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu0-15peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 0. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu0-5avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 0 over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu0-5peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 0. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu0-1avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 0 over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu1-15avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 1on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu1-15peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 1. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu1-5avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 1on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu1-5peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 1. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu1-1avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 1on this card over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu1-15avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 1over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu1-15peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 1. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu1-5avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 1 over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu1-5peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 1. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu1-1avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 1over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu2-15avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 2 on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu2-15peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 2 This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu2-5avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 2 on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu2-5peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 2. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu2-1avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 2 on this card over a -minute period	Not Defined	Not Defined	Standard
card	cpu2-15avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 2 over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu2-15peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 2. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu2-5avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 2 over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu2-5peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 2. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu2-1avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 2 over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu3-15avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 3on this card over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu3-15peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 3. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu3-5avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 3on this card over a 5-minute period	Not Defined	Not Defined	Standard
card	cpu3-5peak-cpubusy	FLOAT	Gauge	active	Peak CPU usage for CPU 3. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu3-1avg-cpubusy	FLOAT	Gauge	active	Average CPU usage for CPU 3 on this card over a 1-minute period	Not Defined	Not Defined	Standard
card	cpu3-15avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 3 over a 5 minute period	Not Defined	Not Defined	Standard
card	cpu3-15peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 3. This is the peak 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
card	cpu3-5avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 3 over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu3-5peak-memused	FLOAT	Gauge	active	Peak memory usage for CPU 3. This is the peak 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
card	cpu3-1avg-memused	FLOAT	Gauge	active	Average memory usage for CPU 3 over a 1-minute period	Not Defined	Not Defined	Standard
card	task-sessmgr-num	INT32	Incremental	active	Total number of active sessmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-sessmgr-avgcpu	FLOAT	Gauge	active	Average percentage of CPU utilization of all active sessmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-sessmgr-avgmem	FLOAT	Gauge	active	Average percentage of allocated memory utilization of all active sessmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-sessmgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest sessmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-sessmgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak sessmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-mmemgr-num	INT32	Gauge	active	Total number of active mmemgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-mmemgr-avgcpu	FLOAT	Gauge	active	Average percentage of CPU utilization of all active mmemgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-mmemgr-avgmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the mmemgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-mmemgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest mmemgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-mmemgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak mmemgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-a11mgr-num	INT32	Incremental	active	Total number of active a11mgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-a11mgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest a11mgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-a11mgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak a11mgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-l2tpmgr-num	INT32	Incremental	active	Total number of active l2tpmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-l2tpmgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest l2tpmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-l2tpmgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak l2tpmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-famgr-num	INT32	Incremental	active	Total number of active famgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-famgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest famgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-famgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak famgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-hamgr-num	INT32	Incremental	active	Total number of active hamgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-hamgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest hamgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-hamgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak hamgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-acsmgr-num	INT32	Incremental	active	Total number of active acsmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	task-acsmgr-avgcpu	FLOAT	Gauge	active	Average percentage of CPU utilization of all active acsmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-acsmgr-avgmem	FLOAT	Gauge	active	Average percentage of allocated memory utilization of all active acsmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-acsmgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest acsmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-acsmgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak acsmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-vpnmgr-num	INT32	Incremental	active	Total number of active vpnmgr tasks across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-vpnmgr-maxcpu	FLOAT	Gauge	active	Maximum percentage of CPU utilization of the busiest vpnmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-vpnmgr-maxmem	FLOAT	Gauge	active	Maximum percentage of allocated memory utilization of the peak vpnmgr task across all CPUs on this card.	Not Defined	Not Defined	Standard
card	task-linkmgr-num	INT32	Incremental	active	This proprietary counter indicates the number of LinkMgr instances active on a given card.	Not Defined	Not Defined	Standard
card	task-linkmgr-avgcpu	FLOAT	Gauge	active	This proprietary gauge displays the average CPU utilization of the LinkMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-linkmgr-avgmem	FLOAT	Gauge	active	This proprietary gauge displays the average memory utilization of the LinkMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-linkmgr-maxcpu	FLOAT	Gauge	active	This proprietary statistic displays the maximum CPU utilization of the LinkMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-linkmgr-maxmem	FLOAT	Gauge	active	This proprietary statistic displays the maximum memory utilization of the LinkMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-gbmgr-num	INT32	Incremental	active	This proprietary counter indicates the number of GbrMgr instances active on a given card.	Not Defined	Not Defined	Standard
card	task-gbmgr-avgcpu	FLOAT	Gauge	active	This proprietary gauge displays the average CPU utilization of the GbrMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-gbmgr-avgmem	FLOAT	Gauge	active	This proprietary gauge displays the average memory utilization of the GbrMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-gbmgr-maxcpu	FLOAT	Gauge	active	This proprietary statistic displays the maximum CPU utilization of the GbrMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-gbmgr-maxmem	FLOAT	Gauge	active	This proprietary statistic displays the maximum memory utilization of the GbrMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-imsimgr-num	INT32	Incremental	active	This proprietary counter indicates the number of IMSIMgr instances active on a given card.	Not Defined	Not Defined	Standard
card	task-imsimgr-avgcpu	FLOAT	Gauge	active	This proprietary gauge displays the average CPU utilization of the IMSIMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-imsimgr-avgmem	FLOAT	Gauge	active	This proprietary gauge displays the average memory utilization of the IMSIMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-imsimgr-maxcpu	FLOAT	Gauge	active	This proprietary statistic displays the maximum CPU utilization of the IMSIMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-imsimgr-maxmem	FLOAT	Gauge	active	This proprietary statistic displays the maximum memory utilization of the IMSIMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-mmgr-num	INT32	Incremental	active	This proprietary counter indicates the number of MMgr instances active on a given card.	Not Defined	Not Defined	Standard
card	task-mmgr-avgcpu	FLOAT	Gauge	active	This proprietary gauge displays the average CPU utilization of the MMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-mmgr-avgmem	FLOAT	Gauge	active	This proprietary gauge displays the average memory utilization of the MMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-mmgr-maxcpu	FLOAT	Gauge	active	This proprietary statistic displays the maximum CPU utilization of the MMgr instances for a given card.	Not Defined	Not Defined	Standard
card	task-mmgr-maxmem	FLOAT	Gauge	active	This proprietary statistic displays the maximum memory utilization of the MMgr instances for a given card.	Not Defined	Not Defined	Standard
card	npuutil-now	INT32	Gauge	active	NPU utilization at this moment.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	npuutil-5minave	INT32	Gauge	active	Average NPU utilization over a 5-minute period.	Not Defined	Not Defined	Standard
card	npuutil-15minave	INT32	Gauge	active	Average NPU utilization over a 15-minute period.	Not Defined	Not Defined	Standard
card	npuutil-rxbytes-5secave	FLOAT	Gauge	active	Average NPU utilization while receiving bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	npuutil-txbytes-5secave	FLOAT	Gauge	active	Average NPU utilization while transmitting bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	npuutil-rxbytes-5minave	FLOAT	Gauge	active	Average NPU utilization while receiving bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	npuutil-txbytes-5minave	FLOAT	Gauge	active	Average NPU utilization while transmitting bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	npuutil-rxbytes-15minave	FLOAT	Gauge	active	Average NPU utilization while receiving bytes over a 15-minute period	Not Defined	Not Defined	Standard
card	npuutil-txbytes-15minave	FLOAT	Gauge	active	Average NPU utilization while transmitting bytes over a 15-minute period.	Not Defined	Not Defined	Standard
card	npuutil-rxpkts-5secave	FLOAT	Gauge	active	Average NPU utilization while receiving packets over a 5-second period.	Not Defined	Not Defined	Standard
card	npuutil-txpkts-5secave	FLOAT	Gauge	active	Average NPU utilization while transmitting packets over a 5-second period.	Not Defined	Not Defined	Standard
card	npuutil-rxpkts-5minave	FLOAT	Gauge	active	Average NPU utilization while receiving packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	npuutil-txpkts-5minave	FLOAT	Gauge	active	Average NPU utilization while transmitting packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	npuutil-txpkts-5minave	FLOAT	Gauge	active	Average NPU utilization while receiving packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	npuutil-rxpkts-15minave	FLOAT	Gauge	active	Average NPU utilization while receiving packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	npuutil-txpkts-15minave	FLOAT	Gauge	active	Average NPU utilization while transmitting packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	dinet-rxpkts-curr	FLOAT	Gauge	active	The current average DINet utilization for received data in Kpps.	Not Defined	Not Defined	Standard
card	dinet-txpkts-curr	FLOAT	Gauge	active	The current average DINet utilization for transmitted data in Kpps.	Not Defined	Not Defined	Standard
card	dinet-rxpkts-5minave	FLOAT	Gauge	active	The average DINet utilization for received data in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
card	dinet-txpkts-5minave	FLOAT	Gauge	active	The average DINet utilization for transmitted data in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
card	dinet-rxpkts-15minave	FLOAT	Gauge	active	The average DINet utilization for received data in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
card	dinet-txpkts-15minave	FLOAT	Gauge	active	The average DINet utilization for transmitted data in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
card	dinet-txdrops-curr	FLOAT	Gauge	active	The current average DINet TX drops in Kpps.	Not Defined	Not Defined	Standard
card	dinet-txdrops-5minave	FLOAT	Gauge	active	The average DINet TX drops in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
card	dinet-txdrops-15minave	FLOAT	Gauge	active	The average DINet TX drops in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
card	iftask-errors	INT64	Incremental	active	The number of iftask packet errors.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-now	INT32	Gauge	active	CPU0 VPP utilization at this moment.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-5minave	INT32	Gauge	active	CPU0 Average VPP utilization over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-15minave	INT32	Gauge	active	CPU0 Average VPP utilization over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-rxbytes-5secave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txbytes-5secave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-rxbytes-5minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txbytes-5minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting bytes over a 5-minute period.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu0-vpputil-rxbytes-15minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving bytes over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txbytes-15minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting bytes over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-rxpkts-5secave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txpkts-5secave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-rxpkts-5minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txpkts-5minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-rxpkts-15minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while receiving packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpputil-txpkts-15minave	FLOAT	Gauge	active	CPU0 Average VPP utilization while transmitting packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-pkts	INT64	Incremental	active	CPU0 The number of packets received on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-pkts	INT64	Incremental	active	CPU0 The number of packets transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-bytes	INT64	Incremental	active	CPU0 The number of bytes received on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-bytes	INT64	Incremental	active	CPU0 The number of bytes transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-miss	INT64	Incremental	active	CPU0 The number of RX missed packets on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-err	INT64	Incremental	active	CPU0 The number of RX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-err	INT64	Incremental	active	CPU0 The number of TX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-nombuf	INT64	Incremental	active	CPU0 The number of RX no buffers on VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-0-63	INT64	Incremental	active	CPU0 The number of 0-63 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-64	INT64	Incremental	active	CPU0 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-65-127	INT64	Incremental	active	CPU0 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-128-255	INT64	Incremental	active	CPU0 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-256-511	INT64	Incremental	active	CPU0 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-512-1023	INT64	Incremental	active	CPU0 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-1024-1518	INT64	Incremental	active	CPU0 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-rx-size-1519-max	INT64	Incremental	active	CPU0 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-64	INT64	Incremental	active	CPU0 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-65-127	INT64	Incremental	active	CPU0 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-128-255	INT64	Incremental	active	CPU0 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-256-511	INT64	Incremental	active	CPU0 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-512-1023	INT64	Incremental	active	CPU0 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-1024-1518	INT64	Incremental	active	CPU0 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-tx-size-1519-max	INT64	Incremental	active	CPU0 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-rx-pkts	INT64	Incremental	active	CPU0 The number of packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-tx-pkts	INT64	Incremental	active	CPU0 The number of packets transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-rx-bytes	INT64	Incremental	active	CPU0 The number of bytes received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-tx-bytes	INT64	Incremental	active	CPU0 The number of bytes transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-rx-ip4	INT64	Incremental	active	CPU0 The number of IPv4 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-rx-ip6	INT64	Incremental	active	CPU0 The number of IPv6 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu0-vpp-sw-rx-drops	INT64	Incremental	active	CPU0 The number of IPv6 packets dropped by VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-now	INT32	Gauge	active	CPU1 VPP utilization at this moment.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-5minave	INT32	Gauge	active	CPU1 Average VPP utilization over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-15minave	INT32	Gauge	active	CPU1 Average VPP utilization over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxbytes-5secave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-txbytes-5secave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxbytes-5minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving bytes over a 5-minute period.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu1-vpputil-txbytes-5minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxbytes-15minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving bytes over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu1-vpputil-txbytes-15minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting bytes over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxpkts-5secave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-txpkts-5secave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxpkts-5minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-txpkts-5minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-rxpkts-15minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while receiving packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpputil-txpkts-15minave	FLOAT	Gauge	active	CPU1 Average VPP utilization while transmitting packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-pkts	INT64	Incremental	active	CPU1 The number of packets received on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-pkts	INT64	Incremental	active	CPU1 The number of packets transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-bytes	INT64	Incremental	active	CPU1 The number of bytes received on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-bytes	INT64	Incremental	active	CPU1 The number of bytes transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-miss	INT64	Incremental	active	CPU1 The number of RX missed packets on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-err	INT64	Incremental	active	CPU1 The number of RX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-err	INT64	Incremental	active	CPU1 The number of TX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-nombuf	INT64	Incremental	active	CPU1 The number of RX no buffers on VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-0-63	INT64	Incremental	active	CPU1 The number of 0-63 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-64	INT64	Incremental	active	CPU1 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-65-127	INT64	Incremental	active	CPU1 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-128-255	INT64	Incremental	active	CPU1 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-256-511	INT64	Incremental	active	CPU1 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-512-1023	INT64	Incremental	active	CPU1 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-1024-1518	INT64	Incremental	active	CPU1 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-rx-size-1519-max	INT64	Incremental	active	CPU1 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-64	INT64	Incremental	active	CPU1 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-65-127	INT64	Incremental	active	CPU1 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-128-255	INT64	Incremental	active	CPU1 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-256-511	INT64	Incremental	active	CPU1 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-512-1023	INT64	Incremental	active	CPU1 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-1024-1518	INT64	Incremental	active	CPU1 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-tx-size-1519-max	INT64	Incremental	active	CPU1 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-rx-pkts	INT64	Incremental	active	CPU1 The number of packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-tx-pkts	INT64	Incremental	active	CPU1 The number of packets transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-rx-bytes	INT64	Incremental	active	CPU1 The number of bytes received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-tx-bytes	INT64	Incremental	active	CPU1 The number of bytes transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-rx-ip4	INT64	Incremental	active	CPU1 The number of IPv4 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-rx-ip6	INT64	Incremental	active	CPU1 The number of IPv6 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu1-vpp-sw-rx-drops	INT64	Incremental	active	CPU1 The number of IPv6 packets dropped by VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-now	INT32	Gauge	active	CPU2 VPP utilization at this moment.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-5minave	INT32	Gauge	active	CPU2 Average VPP utilization over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-15minave	INT32	Gauge	active	CPU2 Average VPP utilization over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-rxbytes-5secave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving bytes over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txbytes-5secave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting bytes over a 5-second period.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
card	cpu2-vpputil-rxbytes-5minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txbytes-5minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting bytes over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-rxbytes-15minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving bytes over a 15-minute period	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txbytes-15minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting bytes over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-rxpkts-5secave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txpkts-5secave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting packets over a 5-second period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-rxpkts-5minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txpkts-5minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting packets over a 5-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-rxpkts-15minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while receiving packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpputil-txpkts-15minave	FLOAT	Gauge	active	CPU2 Average VPP utilization while transmitting packets over a 15-minute period.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-pkts	INT64	Incremental	active	CPU2 The number of packets received on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-pkts	INT64	Incremental	active	CPU2 The number of packets transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-bytes	INT64	Incremental	active	CPU2 The number of bytes received on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-bytes	INT64	Incremental	active	CPU2 The number of bytes transmitted on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-miss	INT64	Incremental	active	CPU2 The number of RX missed packets on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-err	INT64	Incremental	active	CPU2 The number of RX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-err	INT64	Incremental	active	CPU2 The number of TX errors on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-nombuf	INT64	Incremental	active	CPU2 The number of RX no buffers on VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-0-63	INT64	Incremental	active	CPU2 The number of 0-63 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-64	INT64	Incremental	active	CPU2 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-65-127	INT64	Incremental	active	CPU2 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-128-255	INT64	Incremental	active	CPU2 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-256-511	INT64	Incremental	active	CPU2 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-512-1023	INT64	Incremental	active	CPU2 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-1024-1518	INT64	Incremental	active	CPU2 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-rx-size-1519-max	INT64	Incremental	active	CPU2 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-64	INT64	Incremental	active	CPU2 The number of 64 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-65-127	INT64	Incremental	active	CPU2 The number of 65-127 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-128-255	INT64	Incremental	active	CPU2 The number of 128-255 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-256-511	INT64	Incremental	active	CPU2 The number of 256-511 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-512-1023	INT64	Incremental	active	CPU2 The number of 512-1023 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-1024-1518	INT64	Incremental	active	CPU2 The number of 1024-1518 byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-tx-size-1519-max	INT64	Incremental	active	CPU2 The number of 1519-max byte packets RX by VPP.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-rx-pkts	INT64	Incremental	active	CPU2 The number of packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-tx-pkts	INT64	Incremental	active	CPU2 The number of packets transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-rx-bytes	INT64	Incremental	active	CPU2 The number of bytes received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-tx-bytes	INT64	Incremental	active	CPU2 The number of bytes transmitted on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-rx-ip4	INT64	Incremental	active	CPU2 The number of IPv4 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-rx-ip6	INT64	Incremental	active	CPU2 The number of IPv6 packets received on VPP SW.	Not Defined	Not Defined	Standard
card	cpu2-vpp-sw-rx-drops	INT64	Incremental	active	CPU2 The number of IPv6 packets dropped by VPP SW.	Not Defined	Not Defined	Standard
port	card	INT32	Primary-key	active	Chassis slot numbers.	Not Defined	Not Defined	Standard
port	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	Not Defined	Not Defined	Standard
port	maxrate	INT64	Gauge	active	The maximum physical data rate for the port.	Not Defined	Not Defined	Standard
port	rxbytes	INT64	Incremental	active	The number of bytes received over the port.	Not Defined	Not Defined	Standard
port	txbytes	INT64	Incremental	active	The number of bytes transmitted over the port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
port	ucast_inpackets	INT64	Incremental	active	The number of unicast packets received over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	ucast_outpackets	INT64	Incremental	active	The number of unicast packets sent over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	mcast_inpackets	INT64	Incremental	active	The number of multicast packets received over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	mcast_outpackets	INT64	Incremental	active	The number of multicast packets sent over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	bcast_inpackets	INT64	Incremental	active	The number of broadcast packets received over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	bcast_outpackets	INT64	Incremental	active	The number of broadcast packets sent over the port. This statistic is not supported for SPIO ports.	Not Defined	Not Defined	Standard
port	rxpackets	INT64	Incremental	active	The number of packets received over the port.	Not Defined	Not Defined	Standard
port	txpackets	INT64	Incremental	active	The number of packets transmitted over the port.	Not Defined	Not Defined	Standard
port	rxdiscbytes	INT64	Incremental	active	The number of bytes received over the port that were discarded.	Not Defined	Not Defined	Standard
port	rxdiscpackets	INT64	Incremental	active	The number of packets received over the port that were discarded.	Not Defined	Not Defined	Standard
port	txdiscbytes	INT64	Incremental	active	The number of bytes transmitted over the port that were discarded.	Not Defined	Not Defined	Standard
port	txdiscpackets	INT64	Incremental	active	The number of packets transmitted over the port that were discarded.	Not Defined	Not Defined	Standard
port	rxerrorbytes	INT64	Incremental	active	The number of error bytes received over the port.	Not Defined	Not Defined	Standard
port	rxerrorpackets	INT64	Incremental	active	The number of error packets received over the port.	Not Defined	Not Defined	Standard
port	txerrorbytes	INT64	Incremental	active	The number of error bytes transmitted over the port.	Not Defined	Not Defined	Standard
port	txerrorpackets	INT64	Incremental	active	The number of error packets transmitted over the port.	Not Defined	Not Defined	Standard
port	frag-rcvd	INT64	Incremental	active	The number of fragments received on this port.	Not Defined	Not Defined	Standard
port	pkt-reassembled	INT64	Incremental	active	The number of packets re-assembled from fragments received on this port.	Not Defined	Not Defined	Standard
port	frag-tokernel	INT64	Incremental	active	The number of fragments received on this port and sent to the kernel.	Not Defined	Not Defined	Standard
port	util-rx-curr	INT64	Gauge	active	The current average port utilization for received data in Mbps.	Not Defined	Not Defined	Standard
port	util-tx-curr	INT64	Gauge	active	The current average port utilization for transmitted data in Mbps.	Not Defined	Not Defined	Standard
port	util-rx-5min	INT64	Gauge	active	The average port utilization for received data over the last five minutes in Mbps.	Not Defined	Not Defined	Standard
port	util-tx-5min	INT64	Gauge	active	The current average port utilization for transmitted data over the last five minutes in Mbps.	Not Defined	Not Defined	Standard
port	util-rx-15min	INT64	Gauge	active	The average port utilization for received data over the last 15 minutes in Mbps.	Not Defined	Not Defined	Standard
port	util-tx-15min	INT64	Gauge	active	The current average port utilization for transmitted data over the last 15 minutes in Mbps.	Not Defined	Not Defined	Standard
port	port-5peak-rx-util	INT64	Gauge	active	This is the peak Rx port utilization for a 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
port	port-5peak-tx-util	INT64	Gauge	active	This is the peak Tx port utilization for a 1-minute average over the last 5 minutes.	Not Defined	Not Defined	Standard
port	port-15peak-rx-util	INT64	Gauge	active	This is the peak Rx port utilization for a 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
port	port-15peak-tx-util	INT64	Gauge	active	This is the peak Tx port utilization for a 1-minute average over the last 15 minutes.	Not Defined	Not Defined	Standard
port	util-rxpkts-curr	FLOAT	Gauge	active	The current average port utilization for received data in Kpps.	Not Defined	Not Defined	Standard
port	util-txpkts-curr	FLOAT	Gauge	active	The current average port utilization for transmitted data in Kpps.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
port	util-rxpkts-5min	FLOAT	Gauge	active	The average port utilization for received data in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
port	util-txpkts-5min	FLOAT	Gauge	active	The average port utilization for transmitted data in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
port	util-rxpkts-15min	FLOAT	Gauge	active	The average port utilization for received data in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
port	util-txpkts-15min	FLOAT	Gauge	active	The average port utilization for transmitted data in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
port	util-txdrops-curr	FLOAT	Gauge	active	The current average port TX drops in Kpps.	Not Defined	Not Defined	Standard
port	util-txdrops-5min	FLOAT	Gauge	active	The average port TX drops in Kpps over the past 5 minutes.	Not Defined	Not Defined	Standard
port	util-txdrops-15min	FLOAT	Gauge	active	The average port TX drops in Kpps over the past 15 minutes.	Not Defined	Not Defined	Standard
system	sess-ttlarrived	INT32	Incremental	active	The total number of calls for all Session Managers for which registration requests were received.	Not Defined	Not Defined	Standard
system	sess-ttlrejected	INT32	Incremental	active	The total number of calls for all Session Managers that were rejected.	Not Defined	Not Defined	Standard
system	sess-ttlconnected	INT32	Gauge	active	The total number of calls for all Session Managers that are connected (including active, dormant, being set up, and being torn down).	Not Defined	Not Defined	Standard
system	sess-ttlfailed	INT32	Incremental	active	The total number of calls for all Session Managers that failed.	Not Defined	Not Defined	Standard
system	sess-ttldisconn	INT32	Incremental	active	The total number of calls disconnected for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlhandoff	INT64	Incremental	active	The total number of handoffs for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlrenewal	INT64	Incremental	active	The total number of renewals for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlcallop	INT64	Incremental	active	The total number of call operations for all Session Managers. The number of call operations is calculated as the total number of calls that arrived, were rejected, were disconnected, handed-off, and renewed.	Not Defined	Not Defined	Standard
system	sess-ttlauthsucc	INT32	Incremental	active	The total number of successful authentications for calls for all Session Managers.	Increments whenever the local or RADIUS authentication is successful for a session.	Per Session Manager instance	Standard
system	sess-ttlauthfail	INT32	Incremental	active	The total number of failed authentications for calls for all Session Managers.	Increments whenever the local or RADIUS authentication fails for a session.	Per Session Manager instance	Standard
system	sess-curaaaactive	INT32	Gauge	active	Indicates the number of currently active AAA sessions for all Session Managers.	Increments whenever a new AAA session is established. Decrements when the session is disconnected	Per Session Manager instance	Standard
system	sess-curaaadeleting	INT32	Gauge	active	Indicates the number of current AAA sessions being deleted for all Session Managers.	Increments when a AAA session is disconnected and the final accounting message is still pending to be delivered to an external server. Decrements when the final accounting message is delivered to the server.	Per Session Manager instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-curaaaacctpending	INT32	Gauge	active	Indicates the number of current AAA sessions with accounting pending for all Session Managers.	Increments for every occurrence of AAA sessions with accounting message pending for all Session Managers. Decrements when the accounting message is delivered to the external server.	Per Session Manager instance	Standard
system	sess-curaaaacctitemsused	INT32	Gauge	active	Indicates the number of current AAA accounting items used by all Session Manager instances.	Increments whenever the current AAA accounting request is generated and used by all Session Manager instances. Decrements when the accounting message is delivered to the external server.	Per Session Manager instance	Standard
system	sess-curaaaacctitemsmax	INT32	Gauge	active	Indicates the number of current AAA accounting items allowed by all Session Manager instances.	Increments whenever the current AAA accounting request is allowed by all Session Manager instances.	Per Session Manager instance	Standard
system	sess-curaaaabuffused	INT32	Gauge	active	Indicates the number of current AAA buffer space in megabytes used by all Session Manager instances.	Increments whenever the current AAA buffer is allocated and used by all Session Manager instances. Decrements whenever the current AAA buffer is freed for use.	Per Session Manager instance	Standard
system	sess-curaaabuffmax	INT32	Incremental	active	Indicates the current maximum AAA buffer space allowed in megabytes used by all Session Manager instances.	Increments whenever the current AAA buffer space is allowed and used by all Session Manager.	Per Session Manager instance	Standard
system	sess-ttlaaacancauth	INT32	Incremental	active	The total number of AAA authentication requests cancelled by all Session Manager instances. The cancellation can be due to various reasons like administrative clear or access side call clear, etc.	Increments when a Session Manager cancels an outstanding authentication request which is waiting for a response from authentication server.	Per Session Manager instance	Standard
system	sess-ttlaaaacctpurged	INT32	Incremental	active	The total number of AAA accounting requests received by this Session Manager instance, that have to be purged for all Session Managers because the storage limit of pending accounting requests has exceeded.	Increments whenever a AAA accounting request has to be purged for all Session Managers	Per Session Manager instance	Standard
system	sess-ttlradacctpurged	INT32	Incremental	active	The total number of RADIUS accounting requests received by this Session Manager instance, that have to be purged for all Session Managers because the storage limit of pending accounting requests has exceeded.	Increments whenever a RADIUS accounting request has to be purged for all Session Managers	Per Session Manager instance	Standard
system	sess-ttllcpup	INT32	Incremental	active	The total number of calls for all Session Managers that have completed the Link Control Protocol (LCP) phase of the registration process.	Not Defined	Not Defined	Standard
system	sess-ttlipcpup	INT32	Incremental	active	The total number of calls for all Session Managers that have completed the Internet Protocol Control Protocol (IPCP) phase of the registration process.	Not Defined	Not Defined	Standard
system	sess-ttlsrcviol	INT32	Incremental	active	The total number of source violations experienced for all calls for all Session Managers.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-ttlkeepfail	INT32	Incremental	active	The total number of keep-alive failures experienced for all calls for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlemptyfwd	INT32	Incremental	active	The total number of empty forwarded packet sessions.	Not Defined	Not Defined	Standard
system	sess-ttlemptyrev	INT32	Incremental	active	The total number of empty reverse packet sessions.	Not Defined	Not Defined	Standard
system	sess-ttlproxydns-redirect	INT32	Incremental	active	The total number of sessions redirected by Proxy-DNS.	Not Defined	Not Defined	Standard
system	sess-ttlproxydns-passthru	INT32	Incremental	active	The total number of sessions passed through by Proxy-DNS.	Not Defined	Not Defined	Standard
system	sess-ttlproxydns-drop	INT32	Incremental	active	The total number of sessions dropped by Proxy-DNS.	Not Defined	Not Defined	Standard
system	sess-curttlcalls	INT32	Gauge	active	The number of calls for all Session Managers that are currently in progress (active, dormant, being set up, or being torn down).	Not Defined	Not Defined	Standard
system	sess-curnonanchorconn	INT32	Gauge	active	The total number of non-anchor session connections on ASN-GW.	Not Defined	Not Defined	Standard
system	sess-curauthonlyconn	INT32	Gauge	active	The total number of calls which connected in Auth-Only mode.	Not Defined	Not Defined	Standard
system	sess-cursipconn	INT32	Gauge	active	The total number of Simple IP data sessions that are currently being supported for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curmipconn	INT32	Gauge	active	The total number of Mobile IP data sessions that are currently being supported for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-gtp-connecting	INT32	Gauge	active	The total number of GPRS Tunnelling Protocol (GTP) sessions that are currently in the process of connecting.	This counter is incremented when a GTP session is in the process of connecting.	Per Session Manager Instance	Standard
system	sess-gtp-connected	INT32	Gauge	active	The total number of GTP sessions that are currently connected for all Session Managers.	This is incremented each time a GTP session is succesfully connected	Per Session Manager Instance	Standard
system	sess-curpmipconnecting	INT32	Gauge	active	Number of PMIPv6 sessions in Connecting state.	Increments upon when gateway is waiting for PMIPv6PBA for transmitted PBU after successful authentication.	Per Session Manager instance.	Standard
system	sess-curpmipconn	INT32	Gauge	active	The total number of Proxy Mobile IP data sessions that are currently being supported for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curepdgreauth	INT32	Gauge	active	Number of ePDG sessions in Re-Authorization state.	Increments upon when session in Re-Authorization progress state.	Per Session Manager instance.	Standard
system	sess-curhaipsecconn	INT32	Gauge	active	The total number of sessions that are in progress in the HA-IPSEC connected state	Not Defined	Not Defined	Standard
system	sess-curl2tplacconn	INT32	Gauge	active	The number of L2TP LAC sessions that are currently being supported for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curpdptypeipconn	INT32	Gauge	active	The number of sessions that are currently in progress in the PDP-TYPE-IP Connected State	Not Defined	Not Defined	Standard
system	sess-curpdptypepppconn	INT32	Gauge	active	The number of sessions that are currently in progress in the PDP-TYPE-PPP Connected State	Not Defined	Not Defined	Standard
system	sess-curbcmcsconn	INT32	Gauge	active	The number of sessions that are currently in progress in the BCMCS Connected State.	Not Defined	Not Defined	Standard
system	sess-curactcall	INT32	Gauge	active	The number of sessions currently active for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curdormcall	INT32	Gauge	active	The number of sessions currently dormant for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curalwayson	INT32	Gauge	active	The number of always-on calls that are currently in progress.	Not Defined	Not Defined	Standard
system	sess-curarrived	INT32	Gauge	active	The number of sessions that are currently at the onset of the registration process for all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curlcpnegot	INT32	Gauge	active	The number of sessions for all Session Managers that are currently in the Link Control Protocol (LCP) negotiation phase of the registration process.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-curlcpup	INT32	Gauge	active	The number of sessions for all Session Managers that have just completed the Link Control Protocol (LCP) negotiation phase of the registration process.	Not Defined	Not Defined	Standard
system	sess-curauth	INT32	Gauge	active	The number of sessions for all Session Managers that are currently in the process of being authenticated.	Not Defined	Not Defined	Standard
system	sess-curbcmcsauth	INT32	Gauge	active	The number of sessions currently in progress that are at the BCMCS Service Authenticating state.	Not Defined	Not Defined	Standard
system	sess-curauthed	INT32	Gauge	active	The number of sessions for all Session Managers that have just completed the authentication phase of the registration process.	Not Defined	Not Defined	Standard
system	sess-curdhcppending	INT32	Gauge	active	The number of sessions for all Session Managers that are pending for DHCP.	Not Defined	Not Defined	Standard
system	sess-curl2tplacconnecting	INT32	Gauge	active	The number of sessions currently in progress that are at the L2TP-LAC Connecting state.	Not Defined	Not Defined	Standard
system	sess-curipcpup	INT32	Gauge	active	The number of sessions for all Session Managers that have just completed the Internet Protocol Control Protocol (IPCP) phase of the registration process.	Not Defined	Not Defined	Standard
system	sess-curimsauthorizing	INT32	Gauge	active	The number of sessions for all Session Managers that are currently in the process of being authorized for IMS.	Not Defined	Not Defined	Standard
system	sess-curimsauthorized	INT32	Gauge	active	The number of sessions for all Session Managers that are currently being authorized for IMS.	Not Defined	Not Defined	Standard
system	sess-currmeattached	INT32	Gauge	active	The total number of MME sessions that are currently attached with this MME. This is for MME. ST16PR: 102690.	Not Defined	Not Defined	Standard
system	sess-curdisc	INT32	Gauge	active	The number of sessions for all Session Managers that are currently in the process of disconnecting.	Not Defined	Not Defined	Standard
system	sess-ttlprepaid	INT32	Incremental	active	The total number of pre-paid sessions processed by all Session Managers.	Not Defined	Not Defined	Standard
system	sess-curprepaid	INT32	Gauge	active	The number of pre-paid sessions currently being processed by all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlonlineauthreq	INT32	Incremental	active	The total number of 3GPP2 online authentication requests for all Session Managers.	Increments whenever 3GPP2 RADIUS prepaid online authentication requests are sent out	Per Session Manager instance	Standard
system	sess-ttlonlineauthsucc	INT32	Incremental	active	The total number of successful authentications for Online Access Requests for all Session Managers.	Increments whenever 3GPP2 RADIUS prepaid online authentication successful message is received	Per Session Manager instance	Standard
system	sess-ttlonlineauthfail	INT32	Incremental	active	The total number of failed authentications for Online Access Requests for all Session Managers.	Increments whenever 3GPP2 RADIUS prepaid online authentication failure happens	Per Session Manager instance	Standard
system	sess-ttlonlineprepaiderr	INT32	Incremental	active	The total number of 3GPP2 online prepaid errors.	Increments whenever 3GPP2 RADIUS prepaid online authentication response is not honored due to failures like attribute missing, etc	Per Session Manager instance	Standard
system	sess-ttlprepaidinitautherr	INT32	Incremental	active	The total number of 3GPP2 prepaid initial authorization errors.	Increments when 3GPP2 RADIUS prepaid online authentication rejects for the first online access request	Per Session Manager instance	Standard
system	sess-ttlcrprpattempt	INT32	Incremental	active	The total number of Closed RP-RP attempted handoffs.	Not Defined	Not Defined	Standard
system	sess-ttlcrprpsuccess	INT32	Incremental	active	The total number of Closed RP-RP successful handoffs.	Not Defined	Not Defined	Standard
system	sess-ttlrpcrpattempt	INT32	Incremental	active	The total number of RP-Closed RP attempted handoff s	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-ttlrpcrpsuccess	INT32	Incremental	active	The total number of RP-Closed RP successful handoffs.	Not Defined	Not Defined	Standard
system	sess-ttlinterasngwattempt	INT32	Incremental	active	The total number of sessions attempting inter-ASN-GW handovers.	Not Defined	Not Defined	Standard
system	sess-ttlinterasngwsuccess	INT32	Incremental	active	The total number of sessions successfully completing inter-ASN-GW handovers.	Not Defined	Not Defined	Standard
system	sess-ttlintraasngwattempt	INT32	Incremental	active	The total number of sessions attempting intra-ASN-GW handovers.	Not Defined	Not Defined	Standard
system	sess-ttlintraasngwsuccess	INT32	Incremental	active	The total number of sessions successfully completing intra-ASN-GW handovers.	Not Defined	Not Defined	Standard
system	sess-curr-proxy-mip-conn	INT32	Incremental	active	The current number of Proxy MIP connections.	Not Defined	Not Defined	Standard
system	sess-curr-epdg-reauth	INT32	Incremental	active	The current number of ePDG re-authenticaitons in progress.	Not Defined	Not Defined	Standard
system	sess-rxpkt-16	INT64	Incremental	active	The total number of uplink packets of less than 17 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-16	INT64	Incremental	active	The total number of downlink packets of less than 17 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-64	INT64	Incremental	active	The total number of uplink packets between 17 and 64 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-64	INT64	Incremental	active	The total number of downlink packets between 17 and 64 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-127	INT64	Incremental	active	The total number of uplink packets between 65 and 127 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-127	INT64	Incremental	active	The total number of downlink packets between 65 and 127 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-255	INT64	Incremental	active	The total number of uplink packets between 128 and 255 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-255	INT64	Incremental	active	The total number of downlink packets between 128 and 255 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-511	INT64	Incremental	active	The total number of uplink packets between 256 and 511 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-511	INT64	Incremental	active	The total number of downlink packets between 256 and 511 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-1023	INT64	Incremental	active	The total number of uplink packets between 512 and 1023 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-1023	INT64	Incremental	active	The total number of downlink packets between 512 and 1023 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-2047	INT64	Incremental	active	The total number of uplink packets between 1024 and 2047 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-2047	INT64	Incremental	active	The total number of downlink packets between 1024 and 2047 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-4095	INT64	Incremental	active	The total number of uplink packets between 2048 and 4095 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-4095	INT64	Incremental	active	The total number of downlink packets between 2048 and 4095 bytes sent to UE s from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-4500	INT64	Incremental	active	The total number of uplink packets between 4096 and 4500 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-4500	INT64	Incremental	active	The total number of downlink packets between 4096 and 4500 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpkt-over4500	INT64	Incremental	active	The total number of uplink packets greater than 4500 bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txpkt-over4500	INT64	Incremental	active	The total number of downlink packets greater than 4500 bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-txbytes	INT64	Incremental	active	The number of downlink bytes sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxbytes	INT64	Incremental	active	The number of uplink bytes sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-txpackets	INT64	Incremental	active	The number of downlink packets sent to UEs from all Session Managers.	Not Defined	Not Defined	Standard
system	sess-rxpackets	INT64	Incremental	active	The number of uplink packets sent from UEs to all Session Managers.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-1xrtt	INT32	Incremental	active	The total number of sessions connected with 1xRTT.	Not Defined	Not Defined	Standard
system	sess-txbytes-1xrtt	INT64	Incremental	active	The number of bytes transmitted via 1xRTT.	Not Defined	Not Defined	Standard
system	sess-rxbytes-1xrtt	INT64	Incremental	active	The number of bytes received via 1xRTT.	Not Defined	Not Defined	Standard
system	sess-txpackets-1xrtt	INT64	Incremental	active	The number of packets transmitted via 1xRTT.	Not Defined	Not Defined	Standard
system	sess-rxpackets-1xrtt	INT64	Incremental	active	The number of packets received via 1xRTT.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-evdorev0	INT32	Incremental	active	The total number of sessions connected with EvDO Rev 0.	Not Defined	Not Defined	Standard
system	sess-txbytes-evdorev0	INT64	Incremental	active	The number of bytes transmitted via EvDO Rev 0.	Not Defined	Not Defined	Standard
system	sess-rxbytes-evdorev0	INT64	Incremental	active	The number of bytes received via EvDO Rev 0.	Not Defined	Not Defined	Standard
system	sess-txpackets-evdorev0	INT64	Incremental	active	The number of packets transmitted via EvDO Rev 0.	Not Defined	Not Defined	Standard
system	sess-rxpackets-evdorev0	INT64	Incremental	active	The number of packets received via EvDO Rev 0.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-evdoreva	INT32	Incremental	active	The total number of sessions connected with EvDO Rev A.	Not Defined	Not Defined	Standard
system	sess-txbytes-evdoreva	INT64	Incremental	active	The number of bytes transmitted via EvDO Rev A.	Not Defined	Not Defined	Standard
system	sess-rxbytes-evdoreva	INT64	Incremental	active	The number of bytes received via EvDO Rev A.	Not Defined	Not Defined	Standard
system	sess-txpackets-evdoreva	INT64	Incremental	active	The number of packets transmitted via EvDO Rev A.	Not Defined	Not Defined	Standard
system	sess-rxpackets-evdoreva	INT64	Incremental	active	The number of packets received via EvDO Rev A.	Not Defined	Not Defined	Standard
system	sess-txpackets-umts	INT64	Incremental	active	The total number of packets transmitted via UMTS sessions on this system. Trigger : Increments whenever a packet is transmitted through a UMTS session.	Not Defined	Not Defined	Standard
system	sess-txbytes-umts	INT64	Incremental	active	The total number of bytes transmitted via UMTS sessions on this system. Trigger : Increments whenever a byte is transmitted through a UMTS session.	Not Defined	Not Defined	Standard
system	sess-rxpackets-umts	INT64	Incremental	active	The total number of packets received via UMTS sessions on this system. Trigger : Increments whenever a packet is received via a UMTS session.	Not Defined	Not Defined	Standard
system	sess-rxbytes-umts	INT64	Incremental	active	The total number of bytes received via UMTS sessions on this system. Trigger : Increments whenever a byte is received via a UMTS sessions	Not Defined	Not Defined	Standard
system	sess-txpackets-gprs	INT64	Incremental	active	The total number of packets transmitted via GPRS sessions on this system. Trigger : Increments whenever a packet is transmitted through a GPRS session.	Not Defined	Not Defined	Standard
system	sess-txbytes-gprs	INT64	Incremental	active	The total number of bytes transmitted via GPRS sessions on this system. Trigger : Increments whenever a byte is transmitted through a GPRS session.	Not Defined	Not Defined	Standard
system	sess-rxpackets-gprs	INT64	Incremental	active	The total number of packets received via GPRS sessions on this system. Trigger : Increments whenever a packet is received through a GPRS session.	Not Defined	Not Defined	Standard
system	sess-rxbytes-gprs	INT64	Incremental	active	The total number of bytes received via GPRS sessions on this system. Trigger : Increments whenever a byte is received through a GPRS session.	Not Defined	Not Defined	Standard
system	sess-txpackets-lte	INT64	Incremental	active	The total number of packets transmitted via LTE sessions on this system. Trigger : Increments whenever a packet is transmitted through an LTE session.	Not Defined	Not Defined	Standard
system	sess-txbytes-lte	INT64	Incremental	active	The total number of bytes transmitted via LTE sessions on this system. Trigger : Increments whenever a byte is transmitted through an LTE session.	Not Defined	Not Defined	Standard
system	sess-rxpackets-lte	INT64	Incremental	active	The total number of packets received via LTE sessions on this system. Trigger : Increments whenever a packet is received through an LTE session.	Not Defined	Not Defined	Standard
system	sess-rxbytes-lte	INT64	Incremental	active	The total number of bytes received via LTE sessions on this system. Trigger : Increments whenever a byte is received through an LTE session.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-txpackets-ehrpd	INT64	Incremental	active	The total number of packets transmitted via eHRPD sessions on this system. Trigger : Increments whenever a packet is transmitted through an eHRPD session.	Not Defined	Not Defined	Standard
system	sess-txbytes-ehrpd	INT64	Incremental	active	The total number of bytes transmitted via eHRPD sessions on this system. Trigger : Increments whenever a byte is transmitted through an eHRPD session.	Not Defined	Not Defined	Standard
system	sess-rxpackets-ehrpd	INT64	Incremental	active	The total number of packets received via eHRPD sessions on this system. Trigger : Increments whenever a packet is received through an eHRPD session.	Not Defined	Not Defined	Standard
system	sess-rxbytes-ehrpd	INT64	Incremental	active	The total number of bytes received via eHRPD sessions on this system. Trigger : Increments whenever a byte is received through an eHRPD session.	Not Defined	Not Defined	Standard
system	sess-txpackets-wireless-lan	INT64	Incremental	active	The total number of packets transmitted during wireless LAN sessions. Trigger : Changes whenever packets are transmitted during a wireless LAN session.	Not Defined	Not Defined	Standard
system	sess-txbytes-wireless-lan	INT64	Incremental	active	The total number of bytes transmitted during wireless LAN sessions. Trigger : Changes whenever bytes are transmitted during a wireless LAN session.	Not Defined	Not Defined	Standard
system	sess-rxpackets-wireless-lan	INT64	Incremental	active	The total number of packets received during wireless LAN sessions. Trigger : Changes whenever packets are received during a wireless LAN session.	Not Defined	Not Defined	Standard
system	sess-rxbytes-wireless-lan	INT64	Incremental	active	The total number of bytes received during wireless LAN sessions. Trigger : Changes whenever bytes are received during a wireless LAN session.	Not Defined	Not Defined	Standard
system	sess-total-sessions-1xrtt	INT32	Gauge	active	The total number of cdma-1xRTT sessions active on this system. Trigger : Changes whenever a new cdma-1xRTT session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-1xrtt	INT32	Incremental	active	The total number of cdma-1xRTT calls that arrived across all sessions on this system. Trigger : Increments whenever a cdma-1xRTT call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-1xrtt	INT32	Incremental	active	The total number of cdma-1xRTT calls disconnected across all sessions on this system.	Increments whenever a cdma-1xRTT call is disconnected across all sessions on this system.	Not Defined	Standard
system	sess-total-sessions-evdorev0	INT32	Gauge	active	The total number of cdma-EVDO-Rev0 session active on this system. Trigger : Changes whenever a new cdma-EVDO-Rev0 session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-evdorev0	INT32	Incremental	active	The total number of cdma-EVDO-Rev0 calls that arrived across all sessions on this system. Trigger : Increments whenever a cdma-EVDO-Rev0 call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-evdorev0	INT32	Incremental	active	The total number of cdma-EVDO-Rev0 calls disconnected across all sessions on this system. Trigger : Increments whenever a cdma-EVDO-Rev0 call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-total-sessions-evdoreva	INT32	Gauge	active	The total number of cdma-EVDO-RevA session active on this system. Trigger : Changes whenever a new cdma-EVDO-RevA session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-evdoreva	INT32	Incremental	active	The total number of cdma-EVDO-RevA calls arrived across all sessions on this system. Trigger : Increments whenever a specific type of call arrived across all sessions on this system.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-num-calls-disconnected-evdoreva	INT32	Incremental	active	The total number of cdma-EVDO-RevA calls disconnected across all sessions on this system. Trigger : Increments whenever a cdma-EVDO-RevA call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-total-sessions-evdora	INT32	Gauge	active	The total number of cdma-EVDO-RA sessions active on this system. Trigger : Changes whenever a new cdma-EVDO-RA session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-evdora	INT32	Incremental	active	The total number of cdma-EVDO-RA calls that arrived across all sessions on this system. Trigger : Increments whenever a cdma-EVDO-RA call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-evdora	INT32	Incremental	active	The total number of cdma-EVDO-RA calls disconnected across all sessions on this system. Trigger : Increments whenever a cdma-EVDO-RA call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-total-sessions-umts	INT32	Gauge	active	The total number of active UMTS (UTRAN) session son this system. Trigger : Changes whenever a new UMTS session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) calls that arrived across all sessions on this system. Trigger : Increments whenever a UMTS call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) calls in connected state across all sessions on this system. Trigger : Changes whenever a new UMTS call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) calls disconnected across all sessions on this system. Trigger : Increments whenever a UMTS call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) calls rejected across all sessions on this system. Trigger : Increments whenever a UMTS call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) calls that failed across all sessions on this system. Trigger : Increments whenever a UMTS call failed across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) call handoffs across all sessions on this system. Trigger : Increments whenever a UMTS call is handed off across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-renewals-umts	INT32	Incremental	active	The total number of UMTS (UTRAN) call renewals across all sessions on this system. Trigger : This value will always be zero.	Not Defined	Not Defined	Standard
system	sess-num-callops-umts	INT32	Incremental	active	The total number of call operations for access type UTRAN (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard
system	sess-total-sessions-gprs	INT32	Gauge	active	The total number of active GPRS (GERAN) sessions on this system. Trigger : Changes whenever a new GPRS session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) calls that arrived across all sessions on this system. Trigger : Increments whenever a GPRS call arrives across all sessions on this system.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-ttlconnected-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) calls in connected state across all sessions on this system. Trigger : Changes whenever a new GPRS call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) calls disconnected across all sessions on this system. Trigger : Increments whenever GPRS call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) calls rejected across all sessions on this system. Trigger : Increments whenever GPRS call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) calls that failed across all sessions on this system. Trigger : Increments whenever GPRS call fails across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) call handoffs across all sessions on this system. Trigger : Increments whenever GPRS call is handed off across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-renewals-gprs	INT32	Incremental	active	The total number of GPRS (GERAN) call renewals across all sessions on this system. Trigger : This value will always be zero.	Not Defined	Not Defined	Standard
system	sess-num-callops-gprs	INT32	Incremental	active	The total number of call operations for access type GERAN (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard
system	sess-total-sessions-ehrpd	INT32	Incremental	active	The total number of active eHRPD sessions on this system. Trigger : Changes whenever a new eHRPD session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-ehrpd	INT32	Incremental	active	The total number of eHRPD calls that arrived across all sessions on this system. Trigger : Increments whenever an eHRPD call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-ehrpd	INT32	Incremental	active	The total number of eHRPD calls in connected state across all sessions on this system. Trigger : Changes whenever a new eHRPD call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-ehrpd	INT32	Incremental	active	The total number of eHRPD calls disconnected across all sessions on this system. Trigger : Increments whenever an eHRPD call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-ehrpd	INT32	Incremental	active	The total number of eHRPD calls rejected across all sessions on this system. Trigger : Increments whenever an eHRPD call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-ehrpd	INT32	Incremental	active	The total number of eHRPD calls that failed across all sessions on this system. Trigger : Increments whenever an eHRPD call fails across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-ehrpd	INT32	Incremental	active	The total number of eHRPD call handoffs across all sessions on this system. Trigger : Increments whenever an eHRPD call is handed off across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-renewals-ehrpd	INT32	Incremental	active	The total number of eHRPD call renewals across all sessions on this system. Trigger : Increments whenever an eHRPD call is renewed across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-callops-ehrpd	INT32	Incremental	active	The total number of call operations for access type eHRPD (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-total-sessions-lte	INT32	Gauge	active	The total number of active LTE (EUTRAN) sessions on this system. Trigger : Changes whenever a new LTE session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) calls that arrived across all sessions on this system. Trigger : Increments whenever an LTE call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) calls in connected state across all sessions on this system. Trigger : Changes whenever a new LTE call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) calls disconnected across all sessions on this system. Trigger : Increments whenever an LTE call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) calls rejected across all sessions on this system. Trigger : Increments whenever an LTE call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) calls that failed across all sessions on this system. Trigger : Increments whenever an LTE call fails across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) call handoffs across all sessions on this system. Trigger : Increments whenever an LTE call is handed off across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-renewals-lte	INT32	Incremental	active	The total number of LTE (EUTRAN) call renewals across all sessions on this system. Trigger : This value will always be zero.	Not Defined	Not Defined	Standard
system	sess-num-callops-lte	INT32	Incremental	active	The total number of call operation for access type EUTRAN (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard
system	sess-total-sessions-wireless-lan	INT32	Gauge	active	The total number of active wireless LAN (WiFi) sessions on this system. Trigger : Changes whenever a new wireless LAN session is started or an existing session is stopped.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-wireless-lan	INT32	Incremental	active	The total number of wireless LAN (WiFi) calls that arrived across all sessions on this system. Trigger : Increments whenever a wireless LAN call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-wireless-lan	INT32	Incremental	active	The total number of wireless LAN (WiFi) calls in connected state across all sessions on this system. Trigger : Changes whenever a new wireless LAN call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-wireless-lan	INT32	Incremental	active	The total number of wireless LAN (WiFi) calls disconnected across all sessions on this system. Trigger : Increments whenever a wireless LAN call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-wireless-lan	INT32	Incremental	active	The total number of wireless LAN (WiFi) calls rejected across all sessions on this system. Trigger : Increments whenever a wireless LAN call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-wireless-lan	INT32	Incremental	active	The total number of wireless LAN (WiFi) calls that failed across all sessions on this system. Trigger : Increments whenever a wireless LAN call fails across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-wireless-lan	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	sess-num-renewals-wireless-lan	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-num-callops-wireless-lan	INT32	Incremental	active	The total number of call operation for access type Wireless_LAN (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard
system	sess-num-calls-arrived-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent calls that arrived across all sessions on this system. Trigger : Increments whenever a 3G Home Agent call arrives across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-ttlconnected-3g-ha	INT32	Incremental	active	The total number of wireless 3G Home Agent calls in connected state across all sessions on this system. Trigger : Changes whenever a new 3G Home Agent call is connected or an existing call is disconnected.	Not Defined	Not Defined	Standard
system	sess-num-calls-disconnected-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent calls disconnected across all sessions on this system. Trigger : Increments whenever a 3G Home Agent call is disconnected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-rejected-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent calls rejected across all sessions on this system. Trigger : Increments whenever a 3G Home Agent call is rejected across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-calls-failed-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent calls that failed across all sessions on this system. Trigger : Increments whenever a 3G Home Agent call fails across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-handoffs-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent call handoffs across all sessions on this system. Trigger : Increments whenever a 3G Home Agent call is handed off across all sessions on this system.	Not Defined	Not Defined	Standard
system	sess-num-renewals-3g-ha	INT32	Incremental	active	The total number of 3G Home Agent call renewals across all sessions on this system. Trigger : This value will always be zero.	Not Defined	Not Defined	Standard
system	sess-num-callops-3g-ha	INT32	Incremental	active	The total number of call operations for access type 3G hA (Arrived + Rejected + Connected + Disconnected + Failed + Handoffs + Renewals). Trigger : Increments whenever an associated call event occcurs.	Not Defined	Not Defined	Standard
system	sess-siptxbytes	INT64	Incremental	active	The number of bytes transmitted via Simple IP-type sessions.	Not Defined	Not Defined	Standard
system	sess-siprxbytes	INT64	Incremental	active	The number of bytes received for Simple IP-type sessions.	Not Defined	Not Defined	Standard
system	sess-miptxbytes	INT64	Incremental	active	The number of bytes transmitted for Mobile IP-type sessions.	Not Defined	Not Defined	Standard
system	sess-miprxbytes	INT64	Incremental	active	The number of bytes received for Mobile IP-type sessions.	Not Defined	Not Defined	Standard
system	sess-calldur-1min	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 1 minute.	Not Defined	Not Defined	Standard
system	sess-calldur-2min	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 2 minutes but were greater than or equal to 1 minute.	Not Defined	Not Defined	Standard
system	sess-calldur-5min	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 5 minutes but were greater than or equal to 2 minutes.	Not Defined	Not Defined	Standard
system	sess-calldur-15min	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 15 minutes but were greater than or equal to 5 minutes.	Not Defined	Not Defined	Standard
system	sess-calldur-1hour	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 1 hour but greater than or equal to 15 minutes.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-calldur-4hour	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 4 hours but were greater than or equal to 1 hour.	Not Defined	Not Defined	Standard
system	sess-calldur-12hour	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 12 hours but were greater than or equal to 4 hours.	Not Defined	Not Defined	Standard
system	sess-calldur-24hour	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted less than 24 hours but were greater than or equal to 12 hours.	Not Defined	Not Defined	Standard
system	sess-calldur-over24hour	INT32	Incremental	active	The total number of sessions for all Session Managers that lasted 24 hours or longer.	Not Defined	Not Defined	Standard
system	sess-setuptime-100ms	INT32	Incremental	active	The total number of sessions for all Session Managers that were setup in less than 100 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-200ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 200 milliseconds but greater than or equal to 100 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-300ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 300 milliseconds but greater than or equal to 200 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-400ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 400 milliseconds but greater than or equal to 300 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-500ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 500 milliseconds but greater than or equal to 400 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-600ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 600 milliseconds but greater than or equal to 500 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-700ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 700 milliseconds but greater than or equal to 600 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-800ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 800 milliseconds but greater than or equal to 700 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-900ms	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 900 milliseconds but greater than or equal to 800 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-1sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 1 second but greater than or equal to 200 milliseconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-2sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 2 seconds but greater than or equal to 1 second.	Not Defined	Not Defined	Standard
system	sess-setuptime-3sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 3 seconds but greater than or equal to 2 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-4sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 4 seconds but greater than or equal to 3 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-6sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 6 seconds but greater than or equal to 4 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-8sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 8 seconds but greater than or equal to 6 seconds.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-setuptime-10sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 10 seconds but greater than or equal to 8 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-12sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 12 seconds but greater than or equal to 10 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-14sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 14 seconds but greater than or equal to 12 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-16sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was less than 16 seconds but greater than or equal to 14 seconds.	Not Defined	Not Defined	Standard
system	sess-setuptime-over16sec	INT32	Incremental	active	The total number of sessions for all Session Managers for which the setup time was 16 seconds or more.	Not Defined	Not Defined	Standard
system	sess-setuptime-18sec	INT32	Incremental	active	Proprietary counter indicates the total number of sessions for all Session Managers for which the setup time was more than 16 seconds but less than or equal to 18 seconds.	Changes whenever a new session takes setup time of more that 16 seconds but less than or equal to 18 seconds.	Not Defined	Standard
system	sess-setuptime-over18sec	INT32	Incremental	active	Proprietary counter indicates the total number of sessions for all Session Managers for which the setup time was more than 18 seconds.	Changes every time when a new session takes more than 18 seconds to setup.	Not Defined	Standard
system	sess-henbgw-totueactive	INT32	Gauge	active	The total number of active UE sessions on the Home eNodeB Gateway (HENBGW).	Not Defined	Not Defined	Standard
system	ggsn-ttlsgsnconn	INT32	Gauge	active	The total number of connections registered between GGSN and SGSN on this system.	Not Defined	Not Defined	Standard
system	ggsn-cursgsnact	INT32	Gauge	active	The total number of SGSNs currently active with GGSN on this system.	Not Defined	Not Defined	Standard
system	flow-ttlestab	INT32	Incremental	active	The total number of flows that were established by session managers.	Not Defined	Not Defined	Standard
system	flow-ttldisconn	INT32	Incremental	active	The total number of flows that were disconnected by session managers.	Not Defined	Not Defined	Standard
system	flow-curdynamic	INT32	Gauge	active	The current number of dynamic flows.	Not Defined	Not Defined	Standard
system	pdsn-activdata	INT32	Gauge	active	The current number of PDSN sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	hsgw-activdata	INT32	Gauge	active	The current number of HSGW sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	ha-activedata	INT32	Gauge	active	The current number of HA sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	mme-activedata	INT32	Gauge	active	The current number of MME sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	pgw-activedata	INT32	Gauge	active	The current number of P-GW sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	sgw-activedata	INT32	Gauge	active	The current number of S-GW sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	saegw-activedata	INT32	Gauge	active	The current number of SAEGW sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	ipsg-activedata	INT32	Gauge	active	The current number of IPSG sessions actively transmitting and receiving data packets.	This statistic is updated once an hour and is defined as having sent and/or received at least one data packet within the last 60 seconds of the update time.	Not Defined	Standard
system	nat-alloc-pilot-packet-sent	INT64	Incremental	active	The total number of Pilot Packets sent for every IP/Port allocation for all NAT enabled calls.	Not Defined	Not Defined	Standard
system	nat-de-alloc-pilot-packet-sent	INT64	Incremental	active	The total number of Pilot Packets sent for every IP/Port de-allocation for all NAT enabled calls.	Not Defined	Not Defined	Standard
system	non-nat-alloc-pilot-packet-sent	INT64	Incremental	active	The total number of Pilot Packets sent for every IP/Port allocation for all non-NAT enabled calls.	Not Defined	Not Defined	Standard
system	non-nat-de-alloc-pilot-packet-sent	INT64	Incremental	active	The total number of Pilot Packets sent for every IP/Port de-allocation for all non-NAT enabled calls.	Not Defined	Not Defined	Standard
system	rat-change-user-info-pilot-packet-sent	INT64	Incremental	active	The total number of Pilot Packets sent for every subscriber IP allocation on RAT type change.	Not Defined	Not Defined	Standard
system	rat-change-nat-info-pilot-packet-sent	INT64	Incremental	active	the Total number of pilot packet sent per APN for every subscriber ip alloc on RAT type changeThe total number of Pilot Packets sent for every NAT port chunk allocation on RAT type change.	Not Defined	Not Defined	Standard
system	aaa-ttlreq	INT32	Incremental	active	The total number of AAA requests.	Increments when a AAA request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curreq	INT32	Gauge	active	The number of active AAA requests.	Increments when an active AAA request is sent to the server Decrements when a response is received from the server for the active AAA request	Per AAA Manager Instance	Standard
system	aaa-ttlauthreq	INT32	Incremental	active	The total number of AAA authentication requests.	Increments when a AAA authentication request is sent to the server	Per AAA Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	aaa-curauthreq	INT32	Gauge	active	The number of active AAA authentication requests.	Increments when an active AAA authentication request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlauthprobe	INT32	Incremental	active	The total number of AAA authentication probes.	Increments when a AAA authentication probe request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curauthprobe	INT32	Gauge	active	The number of active AAA authentication probes.	Increments when an active AAA authentication probe request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlauthkeepalive	INT32	Incremental	active	The total number of AAA authentication keepalive requests sent.	Increments when a AAA authentication keepalive request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curauthkeepalive	INT32	Gauge	active	The number of current AAA authentication keepalive requests being processed.	Increments when an active AAA authentication keepalive request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlacctreq	INT32	Incremental	active	The total number of AAA accounting requests.	Increments when a AAA accounting request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curacctreq	INT32	Gauge	active	The number of active AAA accounting requests.	Increments when an active AAA accounting request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlacctkeepalive	INT32	Incremental	active	The total number of AAA accounting keepalive requests sent.	Increments when a AAA accounting keepalive request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curacctkeepalive	INT32	Gauge	active	The number of current AAA accounting keepalive requests being processed.	Increments when an active AAA accounting keepalive request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlauthsucc	INT32	Incremental	active	The total number of successful AAA authentication.	Increments whenever the AAA authentication is successful	Per AAA Manager Instance	Standard
system	aaa-ttlauthfail	INT32	Incremental	active	The total number of AAA authentication failed.	Increments whenever the AAA authentication fails	Per AAA Manager Instance	Standard
system	aaa-ttlauthpurged	INT32	Incremental	active	The total number of AAA authentication purged.	Increments whenever a AAA authentication request is purged	Per AAA Manager Instance	Standard
system	aaa-ttlauthcancelled	INT32	Incremental	active	The total number of AAA authentication requests cancelled.	Increments whenever a AAA authentication request is cancelled	Per AAA Manager Instance	Standard
system	aaa-ttlauthkeepalivesuccess	INT32	Incremental	active	The total number of AAA authentication keepalive successes.	Increments whenever a AAA keepalive authentication is successful	Per AAA Manager Instance	Standard
system	aaa-ttlauthkeepalivefailure	INT32	Incremental	active	The total number of AAA authentication keepalive failures.	Increments whenever a AAA keepalive authentication fails	Per AAA Manager Instance	Standard
system	aaa-ttlauthkeepalivepurged	INT32	Incremental	active	The total number of AAA authentication keepalive purges.	Increments whenever a AAA authentication keepalive request is purged	Per AAA Manager Instance	Standard
system	aaa-ttlauthdmuchal	INT32	Incremental	active	The total number of AAA authentication DMU challenged.	Increments whenever a AAA authentication request is challenged for Dynamic Mobile Keying update.	Per AAA Manager Instance	Standard
system	aaa-curallocreq	INT32	Gauge	active	The number of current allocation requests being processed.	Increments when a currently allocated request has been processed	Per AAA Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	aaa-curmaxreq	INT32	Gauge	active	The number of current maximum requests being processed.	Increments when a current maximum request has been processed	Per AAA Manager Instance	Standard
system	aaa-ttldiamauthreq	INT32	Incremental	active	The total number of Diameter authentication requests.	Increments when a Diameter authentication request is sent to the Diameter server	Per AAA Manager Instance	Standard
system	aaa-curdiamauthreq	INT32	Gauge	active	The total number of current Diameter authentication requests.	Increments when a Diameter authentication request is sent to the Diameter server	Per AAA Manager Instance	Standard
system	aaa-ttldiamauthreqretried	INT32	Incremental	active	The total number of Diameter authentication requests retried.	Increments when a Diameter authentication request is retried	Per AAA Manager Instance	Standard
system	aaa-ttldiamauthreqdrop	INT32	Incremental	active	The total number of Diameter authentication requests dropped.	Increments when a Diameter authentication request is dropped or ignored	Per AAA Manager Instance	Standard
system	aaa-ttlradauthreq	INT32	Incremental	active	The total number of AAA authentication requests on RADIUS server.	Increments when a AAA authentication request is sent to the RADIUS server	Per AAA Manager Instance	Standard
system	aaa-curradauthreq	INT32	Gauge	active	The number of active AAA authentication requests on RADIUS server.	Increments when an active AAA authentication request is sent to the RADIUS server	Per AAA Manager Instance	Standard
system	aaa-ttlradauthreqretried	INT32	Incremental	active	The total number of AAA authentication requests retried on RADIUS server.	Increments when a AAA authentication request is retried on to the RADIUS server	Per AAA Manager Instance	Standard
system	aaa-ttlradauthrspdrop	INT32	Incremental	active	The total number of RADIUS authentication requests dropped.	Increments when a RADIUS authentication request is dropped or ignored	Per AAA Manager Instance	Standard
system	aaa-ttllclauthreq	INT32	Incremental	active	The total number of AAA authentication requests on local server.	Increments when a AAA authentication request is sent to the local server	Per AAA Manager Instance	Standard
system	aaa-curlclauthreq	INT32	Gauge	active	The number of active local authentication requests.	Increments when an active AAA authentication request is sent to the local server	Per AAA Manager Instance	Standard
system	aaa-ttlpseudoauthreq	INT32	Incremental	active	The total number of pseudo AAA authentication requests.	Increments when a pseudo AAA authentication request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-curpseudoauthreq	INT32	Gauge	active	The number of active pseudo AAA authentication requests.	Increments when an active pseudo AAA authentication request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlauthnulluser	INT32	Incremental	active	The total number of unattempted AAA authentication requests.	Increments when an unattempted AAA authentication request is sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlacctsucc	INT32	Incremental	active	The total number of AAA accounting requests succeeded.	Increments when a AAA accounting request is successfully sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlacctpurged	INT32	Incremental	active	The total number of AAA accounting requests purged.	Increments when a AAA accounting request is purged	Per AAA Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	aaa-ttlacctcancelled	INT32	Incremental	active	The total number of AAA accounting requests cancelled.	Increments when a AAA accounting request is cancelled	Per AAA Manager Instance	Standard
system	aaa-ttlacctkeepalivesuccess	INT32	Incremental	active	The total number of AAA accounting keepalive successes.	Increments when a AAA accounting keepalive request is successfully sent to the server	Per AAA Manager Instance	Standard
system	aaa-ttlacctkeepalivetimeout	INT32	Incremental	active	The total number of AAA accounting keepalive timeouts	Increments when a AAA accounting keepalive request is timed out	Per AAA Manager Instance	Standard
system	aaa-ttlacctkeepalivepurged	INT32	Incremental	active	The total number of AAA accounting keepalive purges.	Increments when a AAA accounting keepalive request is purged	Per AAA Manager Instance	Standard
system	aaa-ttlradacctreq	INT32	Incremental	active	The total number of RADIUS accounting requests.	Increments when a RADIUS accounting request is sent to the RADIUS server	Per AAA Manager Instance	Standard
system	aaa-ttlradacctcancelled	INT32	Incremental	active	The total number of RADIUS accounting requests cancelled.	Increments when a RADIUS accounting request is cancelled	Per AAA Manager Instance	Standard
system	aaa-ttlradacctpurged	INT32	Incremental	active	The total number of RADIUS accounting requests purged.	Increments when a RADIUS accounting request is purged	Per AAA Manager Instance	Standard
system	aaa-ttlradacctreqretried	INT32	Incremental	active	The total number of AAA accounting requests retried on RADIUS server.	Increments when a AAA accounting request is retried on to the RADIUS server	Per AAA Manager Instance	Standard
system	aaa-ttlradacctrspdropped	INT32	Incremental	active	The total number of RADIUS accounting responses dropped.	Increments when a RADIUS accounting response is dropped or ignored	Per AAA Manager Instance	Standard
system	aaa-ttlmgrpurgedrequests	INT32	Incremental	active	The total number of AAAMgr purged requests.	Increments for every occurrence of AAA Manager purged requests	Per AAA Manager Instance	Standard
system	diamauth-msg-mareq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Multimedia-Auth-Request messages sent.	Increments when an MAR is sent	Per AAA Manager instance.	Standard
system	diamauth-msg-maans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Multimedia-Auth-Answer messages received.	Increments when an MAA is received	Per AAA Manager instance.	Standard
system	diamauth-msg-marretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for Multimedia-Auth-Request messages.	Increments when an MAR is retried	Per AAA Manager instance.	Standard
system	diamauth-msg-maatimeout	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of timeouts of Multimedia-Auth-Answer messages.	Increments when an MAA is timed out	Per AAA Manager instance.	Standard
system	diamauth-msg-maadropped	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Multimedia-Auth-Answer messages dropped.	Increments when an MAA is dropped	Per AAA Manager instance.	Standard
system	diamauth-msg-sareq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Server-Assignment-Request messages sent.	Increments when an SAR is sent	Per AAA Manager instance.	Standard
system	diamauth-msg-saans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Server-Assignment-Answer messages received.	Increments when an SAA is received	Per AAA Manager instance.	Standard
system	diamauth-msg-sarretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for Server-Assignment-Request Messages.	Increments when an SAR is retried	Per AAA Manager instance.	Standard
system	diamauth-msg-saatimeout	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of timeouts of Server-Assignment-Answer messages.	Increments when an SAA is timed out	Per AAA Manager instance.	Standard
system	diamauth-msg-saadropped	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Server-Assignment-Answer messages dropped.	Increments when an SAA is dropped	Per AAA Manager instance.	Standard
system	diamauth-msg-uareq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of User-Authorization-Request messages sent.	Increments when a UAR is sent	Per AAA Manager instance.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	diamauth-msg-uaans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of User-Authorization-Answer messages received.	Increments when a UAA is received	Per AAA Manager instance.	Standard
system	diamauth-msg-uarretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for User-Authorization-Request messages.	Increments when a UAR is retried	Per AAA Manager instance.	Standard
system	diamauth-msg-uaatimeout	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of timeouts of User-Authorization-Answer messages.	Increments when a UAA is timed out	Per AAA Manager instance.	Standard
system	diamauth-msg-uaadropped	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of User-Authorization-Answer messages dropped.	Increments when a UAA is dropped	Per AAA Manager instance.	Standard
system	diamauth-msg-lireq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Location-Info-Request messages sent.	Increments when an LIR is sent	Per AAA Manager instance.	Standard
system	diamauth-msg-lians	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Location-Info-Answer messages received.	Increments when an LIA is received	Per AAA Manager instance.	Standard
system	diamauth-msg-lirretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for Location-Info-Request messages.	Increments when an LIR is retried	Per AAA Manager instance.	Standard
system	diamauth-msg-liatimeout	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of timeouts of Location-Info-Answer messages.	Increments when an LIA is timed out	Per AAA Manager instance.	Standard
system	diamauth-msg-liadropped	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Location-Info-Answer messages dropped.	Increments when an LIA is dropped	Per AAA Manager instance.	Standard
system	diamauth-msg-rtreq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Registration-Termination-Request messages received.	Increments when an RTR is received	Per AAA Manager instance.	Standard
system	diamauth-msg-rtans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Registration-Termination-Answer messages sent.	Increments when an RTA is sent	Per AAA Manager instance.	Standard
system	diamauth-msg-rtrreject	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Registration-Termination-Request messages rejected.	Increments when an RTR is rejected.	Per AAA Manager instance.	Standard
system	diamauth-msg-ppreq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Push-Profile-Request messages received.	Increments when a PPR is received.	Per AAA Manager instance.	Standard
system	diamauth-msg-ppans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Push-Profile-Answer Messages Request messages sent.	Increments when a PPR is sent.	Per AAA Manager instance.	Standard
system	diamauth-msg-pprreject	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Push-Profile-Request messages rejected.	Increments when a PPR is rejected.	Per AAA Manager instance.	Standard
system	diamauth-msg-dereq	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Diameter-EAP-Request messages sent.	Increments when a DER is sent.	Per AAA Manager instance.	Standard
system	diamauth-msg-deans	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Diameter-EAP-Answer messages received.	Increments when a DEA is received.	Per AAA Manager instance.	Standard
system	diamauth-msg-deaaccept	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Diameter-EAP-Answer messages accepted.	Increments when a DEA is received with Result-Code value as 2001.	Per AAA Manager instance.	Standard
system	diamauth-msg-deareject	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Diameter-EAP-Answer messages rejected.	Increments when a DEA is rejected.	Per AAA Manager instance.	Standard
system	diamauth-msg-derretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for Diameter-EAP-Request messages.	Increments when a DER is retried.	Per AAA Manager instance.	Standard
system	diamauth-msg-deatimeout	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of timeouts of Diameter-EAP-Answer messages.	Increments when a DEA is timed out.	Per AAA Manager instance.	Standard
system	diamauth-msg-deadropped	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Diameter-EAP-Answer messages dropped.	Increments when a DEA is dropped.	Per AAA Manager instance.	Standard
system	diamauth-msg-asr	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Abort-Session-Request messages received.	Increments when an ASR is received.	Per AAA Manager instance.	Standard
system	diamauth-msg-asa	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Abort-Session-Answer messages sent.	Increments when an ASA is sent.	Per AAA Manager instance.	Standard
system	diamauth-msg-rar	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Re-Auth-Request messages received.	Increments when an RAR is received.	Per AAA Manager instance.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	diamauth-msg-raa	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Re-Auth-Answer messages sent.	Increments when an RAA is sent.	Per AAA Manager instance.	Standard
system	diamauth-msg-str	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Session-Termination-Request messages sent.	Increments when an STR is sent.	Per AAA Manager instance.	Standard
system	diamauth-msg-sta	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of Session-Termination-Answer messages received.	Increments when an STA is received.	Per AAA Manager instance.	Standard
system	diamauth-msg-strretry	INT32	Incremental	active	Diameter Authentication Message Statistics - The total number of retries for Session-Termination-Request Messages.	Increments when an STR is retried	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-proto	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of error messages received with error Diameter Protocol Errors.	Increments when a DEA is received with 3xxx result-code.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-badans	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of error messages received with error Bad-Answer.	Increments when a DEA is received with malformed or wrong AVPs.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-unksessreq	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of error messages received with error Session-Id or unknown session values.	Increments when a DEA is received with unknown session-id.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-unkcmd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
system	diamauth-demsgerr-badreq	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of error messages received with bad request command code value.	Increments when a DEA is received with wrong command-code value.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-reqtmo	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of Request Timeout happened for DER message.	Increments when a DER is timed out.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-parse	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of parse failures happened for DEA message.	Increments when parse failure happens for DEA.	Per AAA Manager instance.	Standard
system	diamauth-demsgerr-reqretry	INT32	Incremental	active	Diameter Authentication DE Message Error Statistics - The total number of request retries happened for DER message.	Increments when a DER is retried	Per AAA Manager instance.	Standard
system	diamauth-strterm-logout	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Diameter-Logout.	Increments when an STR is sent with Termination-Cause as Diameter-Logout.	Per AAA Manager instance.	Standard
system	diamauth-strterm-noserv	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Service-Not-Provided.	Increments when an STR is sent with Termination-Cause as Service-Not-Provided.	Per AAA Manager instance.	Standard
system	diamauth-strterm-badans	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Bad-Answer.	Increments when an STR is sent with Termination-Cause as Bad-Answer.	Per AAA Manager instance.	Standard
system	diamauth-strterm-admin	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Administrative.	Increments when an STR is sent with Termination-Cause as Administrative.	Per AAA Manager instance.	Standard
system	diamauth-strterm-linkbroken	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Link-Broken	Increments when an STR is sent with Termination-Cause as Link-Broken.	Per AAA Manager instance.	Standard
system	diamauth-strterm-authexp	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Auth-Expired.	Increments when an STR is sent with Termination-Cause as Auth-Expired.	Per AAA Manager instance.	Standard
system	diamauth-strterm-usermoved	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause User-Moved.	Increments when an STR is sent with Termination-Cause as User-Moved.	Per AAA Manager instance.	Standard
system	diamauth-strterm-sesstmo	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Session-Timeout.	Increments when an STR is sent with Termination-Cause as Session-Timeout.	Per AAA Manager instance.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	diamauth-strterm-userreq	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause User-Request.	Increments when an STR is sent with Termination-Cause as User-Request.	Per AAA Manager instance.	Standard
system	diamauth-strterm-lostcarrier	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Lost Carrier.	Increments when an STR is sent with Termination-Cause as Lost-Carrier.	Per AAA Manager instance.	Standard
system	diamauth-strterm-lostsvc	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Lost Service.	Increments when an STR is sent with Termination-Cause as Lost-Service.	Per AAA Manager instance.	Standard
system	diamauth-strterm-idletmo	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Idle-Timeout.	Increments when an STR is sent with Termination-Cause as Idle-Timeout.	Per AAA Manager instance.	Standard
system	diamauth-strterm-nastmo	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause NAS Related Session-Timeout.	Increments when an STR is sent with Termination-Cause as NAS-Related-Session-Timeout.	Per AAA Manager instance.	Standard
system	diamauth-strterm-adminreset	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Admin-Reset.	Increments when an STR is sent with Termination-Cause as Admin-Reset.	Per AAA Manager instance.	Standard
system	diamauth-strterm-adminreboot	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Admin Reboot.	Increments when an STR is sent with Termination-Cause as Admin-Reboot.	Per AAA Manager instance.	Standard
system	diamauth-strterm-port	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Port Error	Increments when an STR is sent with Termination-Cause as Port-Error.	Per AAA Manager instance.	Standard
system	diamauth-strterm-naserr	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause NAS Error.	Increments when an STR is sent with Termination-Cause as NAS-Error.	Per AAA Manager instance.	Standard
system	diamauth-strterm-nasreq	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause NAS Request.	Increments when an STR is sent with Termination-Cause as NAS-Request.	Per AAA Manager instance.	Standard
system	diamauth-strterm-nasreboot	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause NAS Reboot.	Increments when an STR is sent with Termination-Cause as NAS-Reboot.	Per AAA Manager instance.	Standard
system	diamauth-strterm-portunneed	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Port Unneeded.	Increments when an STR is sent with Termination-Cause as Port-Unneeded.	Per AAA Manager instance.	Standard
system	diamauth-strterm-portpreempt	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Port Preempted.	Increments when an STR is sent with Termination-Cause as Port-Preempted.	Per AAA Manager instance.	Standard
system	diamauth-strterm-portsusp	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Port Suspended.	Increments when an STR is sent with Termination-Cause as Port-Suspended.	Per AAA Manager instance.	Standard
system	diamauth-strterm-svcunavail	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Service Unavailable.	Increments when an STR is sent with Termination-Cause as Service-Unavailable.	Per AAA Manager instance.	Standard
system	diamauth-strterm-cback	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Callback.	Increments when an STR is sent with Termination-Cause as Callback.	Per AAA Manager instance.	Standard
system	diamauth-strterm-user	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause User-Error.	Increments when an STR is sent with Termination-Cause as User-Error.	Per AAA Manager instance.	Standard
system	diamauth-strterm-hostreq	INT32	Incremental	active	Diameter Authentication STR Termination Cause Statistics - The total number of Session-Termination-Request messages with termination cause Host-Request.	Increments when an STR is sent with Termination-Cause as Host-Request.	Per AAA Manager instance.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	diamacct-msg-acreq	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Request messages sent.	Increments when an ACR is sent	Per AAA Manager instance.	Standard
system	diamacct-msg-acans	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer messages received.	Increments when an ACA is received	Per AAA Manager instance.	Standard
system	diamacct-msg-acrstart	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Request Start messages sent.	Increments when an ACR-START is sent	Per AAA Manager instance.	Standard
system	diamacct-msg-acastart	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer Start messages received.	Increments when an ACA-START is received	Per AAA Manager instance.	Standard
system	diamacct-msg-acrstartretry	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of retries for Accounting-Request Start messages.	Increments when an ACR-START is retried	Per AAA Manager instance.	Standard
system	diamacct-msg-acastartreqtmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acastartrestmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acrinterim	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Request Interim messages sent.	Increments when an ACR-INTERIM is sent	Per AAA Manager instance.	Standard
system	diamacct-msg-acainterim	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer Interim messages received.	Increments when an ACA-INTERIM is received	Per AAA Manager instance.	Standard
system	diamacct-msg-acrinterimretry	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of retries for Accounting-Request Interim messages.	Increments when an ACR-INTERIM is retried	Per AAA Manager instance.	Standard
system	diamacct-msg-acainterimreqtmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acainterimrestmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acrevent	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Request Event messages sent.	Increments when an ACR-EVENT is sent	Per AAA Manager instance.	Standard
system	diamacct-msg-acaevent	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer Event messages received.	Increments when an ACA-EVENT is received	Per AAA Manager instance.	Standard
system	diamacct-msg-acrstop	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Request Stop messages sent.	Increments when an ACR-STOP is sent.	Per AAA Manager instance.	Standard
system	diamacct-msg-acastop	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer Stop messages received.	Increments when an ACR-STOP is received.	Per AAA Manager instance.	Standard
system	diamacct-msg-acrstopretry	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of retries for Accounting-Request Stop messages.	Increments when an ACR-STOP is retried.	Per AAA Manager instance.	Standard
system	diamacct-msg-acastopreqtmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acastoprestmo	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-msg-acadropped	INT32	Incremental	active	Diameter Accounting Message Statistics - The total number of Accounting-Answer messages dropped.	Increments when an ACA is dropped.	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-proto	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of error messages received with error Diameter Protocol Errors.	Increments when an ACA is received with Result-Code value as 3xxx.	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-badans	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of error messages received with error Bad-Answer.	Increments when an ACA is received with malformed or wrong AVPs.	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-unksessreq	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of error messages received with error Session-Id or unknown session values.	Increments when an ACA is received with unknown session-id	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-unkcmdcode	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
system	diamacct-acmsgerr-reqtmo	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of ACRs that are timed out.	Increments when an ACR is timed out.	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-parse	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of parse failures happened for ACR message.	Increments when parse failure happens for ACR.	Per AAA Manager instance.	Standard
system	diamacct-acmsgerr-reqretry	INT32	Incremental	active	Diameter Accounting Message Error Statistics - The total number of request retries happened for ACR message.	Increments when an ACR is retried.	Per AAA Manager instance.	Standard
system	a11-ttlarrived	INT32	Incremental	active	The total number of sessions for all A11 Managers that were received.	Not Defined	Not Defined	Standard
system	a11-ttlrejected	INT32	Incremental	active	The total number of sessions for all A11 Managers that were rejected.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	a11-ttldemult	INT32	Incremental	active	The total number of sessions that were successfully setup for all A11 Managers.	Not Defined	Not Defined	Standard
system	a11-ttldereg	INT32	Incremental	active	The total number of sessions for all A11 Managers that were successfully de-registered, or disconnected.	Not Defined	Not Defined	Standard
system	a11-curactive	INT32	Gauge	active	The number of active sessions currently being facilitated by all A11 Managers.	Not Defined	Not Defined	Standard
system	fa-ttlarrived	INT32	Incremental	active	The total number of session requests that arrived for all FA Managers.	Not Defined	Not Defined	Standard
system	fa-ttlrejected	INT32	Incremental	active	The total number of sessions for all FA Managers that were rejected.	Not Defined	Not Defined	Standard
system	fa-ttldemult	INT32	Incremental	active	The total number of sessions for all FA Managers that were successfully setup.	Not Defined	Not Defined	Standard
system	fa-ttldereg	INT32	Incremental	active	The total number of sessions for all FA Managers that were successfully de-registered or disconnected.	Not Defined	Not Defined	Standard
system	fa-curactive	INT32	Gauge	active	The number of active sessions currently being facilitated by all FA Managers.	Not Defined	Not Defined	Standard
system	ha-ttlarrived	INT32	Incremental	active	The total number of session requests that arrived for all HA Managers.	Not Defined	Not Defined	Standard
system	ha-ttlrejected	INT32	Incremental	active	The total number of sessions for all HA Managers that were rejected.	Not Defined	Not Defined	Standard
system	ha-ttldemult	INT32	Incremental	active	The total number of sessions for all HA Managers that were successfully setup.	Not Defined	Not Defined	Standard
system	ha-ttldereg	INT32	Incremental	active	The total number of sessions for all HA Managers that were successfully de-registered, or disconnected.	Not Defined	Not Defined	Standard
system	ha-curactive	INT32	Gauge	active	The number of active sessions currently being facilitated by all HA Managers.	Not Defined	Not Defined	Standard
system	pdif-cursess	INT32	Gauge	active	The number of Credit Control Application (CCA) sessions currently active.	Not Defined	Not Defined	Standard
system	pdif-curactive	INT32	Gauge	active	The number of active sessions currently being facilitated by PDIF.	Not Defined	Not Defined	Standard
system	pdif-curdormant	INT32	Gauge	active	The number of dormant sessions currently being facilitated by PDIF.	Not Defined	Not Defined	Standard
system	pdif-ttlsetup	INT32	Incremental	active	The total number of PDIF sessions on a system.	Not Defined	Not Defined	Standard
system	pdif-curchildsa	INT32	Gauge	active	The number of current child SAs	Not Defined	Not Defined	Standard
system	sess-15peak-curactcall	INT32	Gauge	active	The number of current calls (active only). Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard
system	sess-15peak-curttlcall	INT32	Gauge	active	The number of current calls. Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard
system	sess-cursipactive	INT32	Gauge	active	The number of Simple IP sessions currently active.	Not Defined	Not Defined	Standard
system	sess-15peak-cursipactive	INT32	Gauge	active	The number of Simple IP sessions currently active. Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard
system	sess-currmipactive	INT32	Gauge	active	The number of Mobile IP sessions currently active.	Not Defined	Not Defined	Standard
system	sess-15peak-currmipactive	INT32	Gauge	active	The number of currently active Mobile IP sessions. Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard
system	a11-15peak-curactive	INT32	Gauge	active	Peak active A11 sessions (a11-curactive) over the last 15 minutes.	Not Defined	Not Defined	Standard
system	crp-curactive	INT32	Gauge	active	The current number of active Closed RP calls.	Not Defined	Not Defined	Standard
system	crp-15peak-curactive	INT32	Gauge	active	Peak active Closed-RP calls (crp-curactive) over the last 15 minutes.	Not Defined	Not Defined	Standard
system	fa-15peak-curactive	INT32	Gauge	active	The number of FA sessions currently active. Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard
system	ha-15peak-curactive	INT32	Gauge	active	The number of HA sessions currently active. Peak values represent the highest sample seen over the last 15 minutes.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	flow-15peak-curdynamic	INT32	Gauge	active	Peak flows (flow-curdynamic) over the last 15 minutes.	Not Defined	Not Defined	Standard
system	sess-15min-usageactive	INT32	Gauge	active	Total minute usage by all the active sessions over the last 15 minutes.	Not Defined	Not Defined	Standard
system	sess-15min-usageall	INT32	Gauge	active	Total minute usage by all flows over the last 15 minutes.	Not Defined	Not Defined	Standard
system	pdp-ctx-15peak-active	INT32	Gauge	active	The number of peak active simultaneous PDP contexts over the last 15 minutes. This is sum of SGSN and GGSN service sessions on a system.	Not Defined	Not Defined	Standard
system	pdp-ctx-5peak-active	INT32	Gauge	active	The number of peak active simultaneous PDP contexts over the last 5 minutes. This is sum of SGSN and GGSN service sessions on a system.	Not Defined	Not Defined	Standard
system	cc-cursess	INT64	Gauge	active	The total number of Credit Control Application (CCA) sessions currently active.	Increments when a Gy session is successfully created Decrements when the Gy session is terminated	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-ttlecsadd	INT64	Incremental	active	The total number of ECS sessions added to CCA.	Increments when a new CC session is being created by ECS.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-ttlstart	INT64	Incremental	active	The total number of CCA sessions started.	Increments when CCR-I is successfully sent.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-ttlsessupd	INT64	Incremental	active	The total number of CCA sessions updated.	Increments when a CC session update is sent by ECS to DCCA module.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-ttlterm	INT64	Incremental	active	The total number of CCA sessions terminated.	Increments when a CC session terminate is sent by ECS to DCCA module.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-sessfailover	INT64	Incremental	active	The total number of CCA sessions failed.	Increments when a CC session message is retried on a secondary server due to session failover.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-event-sessionchange	INT64	Incremental	active	The total number of Credit Control (CC) event messages received for session changes.	Increments when a session change event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-event-sessionaborted	INT64	Incremental	active	The total number of CC session abort event messages.	Increments when a session abort event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-event-sessionlocationchange	INT64	Incremental	active	The total number of CC session location change event messages.	Increments when a location change event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-event-sessiontimezonechange	INT64	Incremental	active	The total number of CC session time zone change event messages.	Increments when a time zone change event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-event-sessionmccchange	INT64	Incremental	active	The total number of CC session mobile country code (MCC) change event messages.	Increments when an MCC change event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-event-sessionmncchange	INT64	Incremental	active	The total number of CC session mobile network code (MNC) change event messages.	Increments when an MNC change event message is received during a CC session.	Per Credit Control Group	Standard
system	cc-msg-recv	INT64	Incremental	active	The total number of CCA messages received.	Increments when a CCA message is successfully received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-sent	INT64	Incremental	active	The total number of CCA messages sent.	Increments when a CCA message is successfully sent to the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-request	INT64	Incremental	active	The total number of CCR (Credit Control Request) messages that are sent out from the system to the Diameter Server. The CCR can be Initial/Update or Terminate.	Increments when CCR (Credit Control Request) message is sent out from system to the Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-answer	INT64	Incremental	active	The total number of CCA (Credit Control Answer) messages that are received by the system from the Diameter Server.	Increments when CCA message is received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-msg-ccrinit	INT64	Incremental	active	The total number of CCR-Initial (Initial Credit Control Request) messages that are sent out from the system to the Diameter Server.	Increments when CCR-I message is successfully sent	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccainit	INT64	Incremental	active	The total number of CCA-Initial (Initial Credit Control Answer) messages that are received by the system from the Diameter Server.	Increments when CCA-I message is successfully received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccainitaccept	INT64	Incremental	active	The total number of CCA-Initial (Initial Credit Control Answer) messages that are sent from Diameter Server and accepted by the system	Increments when a CCA-Initial message from Diameter Server is accepted by the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccainitreject	INT64	Incremental	active	The total number of CCA-Initial (Initial Credit Control Answer sent) messages that are sent from Diameter Server and rejected by the system	Increments when a CCA-Initial (Initial Credit Control Answer sent) message from Diameter Server is rejected by system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccainittimeout	INT64	Incremental	active	The total number of CCA-Initial-Timeouts (CCR-I sent but did not receive CCA till the timer expired) messages that are sent to the system from Diameter Server.	Increments when CCR-I is sent but CCA-I is not received till Tx timer expiry.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccrupdate	INT64	Incremental	active	The total number of CCR-Updates (Credit Control Request with Update) messages that are sent out from the system to the Diameter Server.	Increments whenever a CCR-Update request is successfully sent from the system.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccaupdate	INT64	Incremental	active	The total number of CCA-Update (Credit Control Answer for update) messages that are received by the system from the Diameter Server.	Increments whenever an update answer message is received from the server.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-msg-ccaupdatetimeout	INT64	Incremental	active	The total number of CCA-Update Timeouts (CCR-U sent but did not receive CCA till the timer expired) messages that are sent to the system from Diameter Server.	Increments when CCR-U is sent but an answer for this request is not received till Tx timer expiry.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccrfinal	INT64	Incremental	active	The total number of CCR-Final (Credit Control Request with Final) messages that are sent out from the system to the Diameter Server.	Increments whenever a CCR-Terminate request for a session is successfully sent from the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccafinal	INT64	Incremental	active	The total number of CCA-Final (Credit Control Answer for final update sent) messages that are received by the system from Diameter Server.	Increments when the system receives answer message (CCA-T) for Terminate request that was sent	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccafinaltimeout	INT64	Incremental	active	The total number of CCA-Final Timeouts (CCR-T sent but did not receive CCA till the timer expired) messages that are received by the system from Diameter Server.	Increments when CCR-T is sent but an answer for this request is not received till Tx timer expiry.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccrevent	INT64	Incremental	active	The total number of Credit Control Request (CCR) messages that are received by the system from the Diameter Server.	Increments when a CCR message is sent.	Per Credit Control Group	Standard
system	cc-msg-ccrevent-backpressure	INT64	Incremental	active	The total number of Credit Control Request (CCR) messages exceeding the maximum number of outstanding messages in queue.	Increments when a CCR message is sent to a full queue.	Per Credit Control Group	Standard
system	cc-msg-ccrevent-endpointerror	INT64	Incremental	active	The total number of Credit Control Request (CCR) messages that are received with an end point error indicator from the Diameter Server.	Increments when CCR message is received with an end point error indicator.	Per Credit Control Group	Standard
system	cc-msg-ccrevent-error	INT64	Incremental	active	The total number of Credit Control Request (CCR) messages that are received with an error indicator from the Diameter Server.	Increments when CCR message is received with an error indicator.	Per Credit Control Group	Standard
system	cc-msg-ccaevent	INT64	Incremental	active	The total number of Credit Control Answer (CCA) messages that are received from the Diameter Server.	Increments when CCA message is received.	Per Credit Control Group	Standard
system	cc-msg-ccaeventtimeout	INT64	Incremental	active	The total number of Credit Control Answer (CCA) event timeout messages that are received from the Diameter Server.	Increments when CCA message for an event timeout is received.	Per Credit Control Group	Standard
system	cc-msg-asr	INT64	Incremental	active	The total number of Abort Session Request messages that are sent from the Diameter Server to the system.	Increments when the system receives answer message (CCA-T) for Terminate request that was sent	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-msg-asa	INT64	Incremental	active	The total number of Abort Session Answer messages sent from the system to the Diameter server. This message will be followed by a CCR-Terminate to terminate the session.	Increments when the system replies with an Abort Session Answer message for the Abort Session Request message sent from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-rar	INT64	Incremental	active	The total number of ReAuth Request messages that are sent from the Diameter Server to the system.	Increments when a Re-Authorization Request message is sent from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-raa	INT64	Incremental	active	The total number of ReAuth Answer messages sent from the system to the Diameter server. This message is followed by a CCR-Update to update the Diameter server about the session.	Increments when the system replies with a Re-auth Answer message for the Re-Auth Request sent from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msg-ccadropped	INT64	Incremental	active	The total number of CCA (Credit Control Answer) messages dropped by the system.	Increments when the system drops/ignores a CCA message received from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-proto	INT64	Incremental	active	The total message errors due to Diameter protocol.	Increments whenever a message with result-codes 3xxx- errors due to Diameter protocol is received from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-badanswer	INT64	Incremental	active	This indicates the total number of CCA messages that could not be processed because of the parsing errors occurred due to the presence of an unknown mandatory AVP in the response.	Increments when the system receives an undefined mandatory AVP from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-unknownsess	INT64	Incremental	active	The total message errors due to invalid session requests.	Increments for every occurrence of invalid session request message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-msgerr-unknowncomm	INT64	Incremental	active	The total message errors due to invalid/unknown command code (CCA, ASR, RAR).	Increments whenever a response is received for a valid request with corrupted Command Code.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-reqtimeout	INT64	Incremental	active	The total message errors due to request timeout.	Increments whenever a request message is timed-out	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-parse	INT64	Incremental	active	The total message errors due to parsing errors.	Increments whenever a message is received with parsing errors	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-unkratinggrp	INT64	Incremental	active	The total message errors due to invalid/unknown Rating Groups. Rating group is used to identify a particular type of traffic.	Increments when Unknown Rating-Group is preemptively received from server or a preemptive MSCC is received after session abortion	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-unkrulebase	INT64	Incremental	active	The total message errors due to invalid/unknown Rulebase applied.	Increments when rulebase change is attempted and the system is not able to switch to this because the plan indicated might be unknown/invalid.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-unkfailure	INT64	Incremental	active	The total number of unknown server -provided session failover actions. This counts the number of unknown server-provided session failover actions.	Increments when an unknown CCFH action is received from the server (terminate/continue/retry and terminate are considered to be valid CCFH values)	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-msgerr-transfailure	INT64	Incremental	active	The total number of errors resulting from requests that could not be satisfied at the time they were received. The requests may be satisfied in the future.	Increments when CCA messages have been received with a Diameter Result-Code=4XXX.	Per Credit Control Group	Standard
system	cc-msgerr-permfailure	INT64	Incremental	active	The total number of errors resulting from requests that can never be satisfied.	Increments when CCA messages have been received with a Diameter Result-Code=5XXX.	Per Credit Control Group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-upd-threshold	INT64	Incremental	active	For each Rating group, the Diameter server sends a threshold (this is also configurable in the system) after which an update needs to be sent. For example, a subscriber quota of 1000 bytes with 900 as a threshold is sent to CCA. When 900 bytes have been used by the system, an update message is sent for quota. This counter gives the number of updates sent because of the threshold.	Increments whenever threshold value for a quota-type allocated to any rating-group is reached and an update request is sent to the server to report the usage.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-qht	INT64	Incremental	active	The total number of updates sent due to expiry of Quota Hold Timer (QHT).	Increments when updates are sent due to QHT expiry	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-final	INT64	Incremental	active	The total number of updates sent due to exhaustion/invalidation/service denial.	Increments when updates are sent due to quota exhaustion/invalidation/service denial.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-quotaexhaust	INT64	Incremental	active	The total number of updates sent due to exhaustion of subscriber quota.	Increments when updates are sent because the quota for a particular rating-group is exhausted	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-validitytime	INT64	Incremental	active	The total number of updates sent due to expiry of the session validity time.	Increments when updates are sent due to validity time expiry for a rating-group	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-otherquota	INT64	Incremental	active	The total number of updates sent to report the usage of one quota type, while the other quota reached a trigger condition.	Increments when updates are sent to report the usage of one quota type, while the other quota reached a trigger condition	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-ratingchange	INT64	Incremental	active	The total number of updates sent due to changes in RAT/QOS/SGSN/CELLID/LAC.	Increments when updates are sent due to changes in RAT/QOS/SGSN/CELLID/LAC	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-upd-forcedreauth	INT64	Incremental	active	The total number of updates sent because of RAR.	Increments when the server asks for forced-reauthorization of the subscriber and sends the update request	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-upd-titsutime	INT64	Incremental	active	The total number of updates sent due to time interval after tariff switch. This is specific to WiMax prepaid customers.	Increments when updates are sent due to time interval after tariff switch	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-diamlogout	INT64	Incremental	active	The total number of CCA sessions terminated due to subscriber logout.	Increments when a subscriber initiates termination of a Diameter session	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-servnotprov	INT64	Incremental	active	The total number of CCA sessions terminated due to unavailability of service.	Increments when a session is terminated due to unavailability of Diameter service	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-badanswer	INT64	Incremental	active	The total number of CCA sessions terminated due to invalid/unknown response received.	Increments when a session is terminated due to invalid/unknown/unsuccessful response received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-admin	INT64	Incremental	active	The total number of CCA sessions terminated by an administrative user.	Increments when a session termination is done by the system - administrative decision taken by our system in relevant scenarios	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-linkbroken	INT64	Incremental	active	The total number of CCA sessions terminated due to broken uplink/downlink (connection between peers).	Increments when a session is terminated because the connection between peers is lost - Diameter link is broken.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-term-authexpired	INT64	Incremental	active	The total number of CCA sessions terminated due to expiry of subscriber authorization.	Increments when an update is sent to check for the expiry of lifetime authorization of the subscriber and if the server indicates expiry of authorization, the session will be terminated.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-usermoved	INT64	Incremental	active	The total number of CCA sessions terminated as subscriber moved out of the service area.	Increments when session termination happens because the subscriber has moved out of the service area.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-term-sesstimeout	INT64	Incremental	active	The total number of CCA sessions terminated due to timeout.	Increments when a session terminates because the session manager has indicated a session-timeout.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-auth-appid	INT64	Incremental	active	The absence or unexpected value in Auth-Application-Id AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Auth-Application-Id AVP.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-sessid	INT64	Incremental	active	The absence or unexpected value in Session-Id AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Session-id AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-cc-req-num	INT64	Incremental	active	The absence or unexpected value in CC-Request-Number AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of CC-Request-Number AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-cc-req-type	INT64	Incremental	active	The absence or unexpected value in CC-Request-Type AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of CC-Request-Type AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-badans-origin-host	INT64	Incremental	active	The absence of Origin-Host AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Origin-Host AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-origin-realm	INT64	Incremental	active	The absence of Origin-Realm AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Origin-Realm AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-parsemsg-err	INT64	Incremental	active	The number of parse errors in the message.	Increments when a session is terminated because of Diameter bad answer due to parsing errors in the message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-parsemscc-err	INT64	Incremental	active	The number of parse errors in MSCC AVP.	Increments when a session is terminated because of Diameter bad answer due to parsing errors detected while processing the Multiple-Services-Credit-Control AVP in the message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-badans-misc-err	INT64	Incremental	active	The number of other miscellaneous errors.	Increments when a session is terminated because of Diameter bad answer due to miscellaneous reasons like failure installing the rulebase change/bandwidth/firewall policy, etc.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-catcreate	INT64	Incremental	active	The total traffic categories (MSCC) created.	Increments when a new MSCC is created.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-catdelete	INT64	Incremental	active	The total traffic categories (MSCC) deleted.	Increments whenever an MSCC is deleted in an ongoing session.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-traf-catlookup	INT64	Incremental	active	The total traffic categories/MSCC lookups failed.	Increments when a lookup operation is performed in the list of MSCCs.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-hits	INT64	Incremental	active	The total traffic categories/MSCC lookups successful.	Increments when a lookup of MSCC is successful	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-misses	INT64	Incremental	active	The total traffic categories triggered/MSCC lookups failed.	Increments when a lookup operation for a particular MSCC fails.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-triggerevent	INT64	Incremental	active	The total triggers for traffic categories/MSCCs.	Increments whenever there is a change in certain trigger parameters like RAT, SGSN-IP-ADDRESS, QOS, CELLID, etc.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-finalunit	INT64	Incremental	active	The total final-units-actions taken on MSCCs.	Increments whenever FUI action is imposed on a particular rating group.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-catsuccess	INT64	Incremental	active	The total number of successful allocation of credits for traffic category/MSCC (result-code 2001).	Increments when the server responds with result-code 2001 indicating successful allocation of credits for traffic category	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-ratingfail	INT64	Incremental	active	The total number of quota retries because of rating failure due to category not recognized (result-code 5031).	Increments when the server responds with result-code 5031 indicating rating failure due to category not recognized	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cc-traf-servdenied	INT64	Incremental	active	The total number of quota retries due to denial of end user service (result-code 4010).	Increments when the server responds with result-code 4010 indicating end user service denial.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-limitreached	INT64	Incremental	active	The total number of retries due to credit limit reached (result-code 4012).	Increments when the server responds with result-code 4012 indicating that the credit limit has reached	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-authreject	INT64	Incremental	active	The total number of retries due to authorization rejected (result-code 5003).	Increments when the server responds with result-code 5003 indicating authorization rejection.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cc-traf-othererror	INT64	Incremental	active	The total number of miscellaneous/unknown errors not specified by the system (Diameter_unable_to_comply [result-code 5012]).	Increments when the server responds with result-code 5012 indicating miscellaneous/unknown errors not specified by the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-init-2001-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA-I is received with Result-Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-init-5003-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA-I is received with Result-Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-init-4011-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA-I is received with Result-Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cca-init-4012-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA-I is received with Result-Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-init-exp-5199-rc	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	cca-updt-2001-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA-U is received with Result-Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-updt-5003-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA-U is received with Result-Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-updt-4011-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA-U is received with Result-Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-updt-4012-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA-U is received with Result-Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca_event_2001_rc	INT64	Incremental	active	The total number of CCA event messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA event message is received with Result-Code=2001	Per Credit Control Group	Standard
system	cca_event_other_rc	INT64	Incremental	active	The total number of CCA event messages received with a Diameter Result-Code=other at command level.	Increments when a CCA event message is received with Result-Code=other	Per Credit Control Group	Standard
system	fail-action-term	INT64	Incremental	active	This variable indicates how many times the DCCA failure handling with action terminate has been invoked in each measurement interval.	Increments when a call is terminated as a result of failure handling actions	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	fail-action-contd	INT64	Incremental	active	This variable indicates how many times the DCCA failure handling with action continue has been invoked in each measurement interval.	Increments when a call is continued as a result of failure handling actions	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	offline-active-sess	INT64	Gauge	active	The current number of active data sessions that are converted from online to offline charging due to DCCA failure handling	Increments when a call is converted from online to offline Decrements when a offline call is cleared or terminated	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-2001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA is received with Result Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-2002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=2002 at command level.	Increments when a CCA is received with Result Code=2002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-4001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4001 at command level.	Increments when a CCA is received with Result Code=4001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-4002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4002 at command level.	Increments when a CCA is received with Result Code=4002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-4011-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA is received with Result Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cca-4012-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA is received with Result Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5001 at command level.	Increments when a CCA is received with Result Code=5001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5002 at command level.	Increments when a CCA is received with Result Code=5002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5003-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA is received with Result Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5004-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5004 at command level.	Increments when a CCA is received with Result Code=5004	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5005-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5005 at command level.	Increments when a CCA is received with Result Code=5005	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	cca-5006-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5006 at command level.	Increments when a CCA is received with Result Code=5006	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cca-other-rc	INT64	Incremental	active	Total number of CCA messages received with all other Diameter Result-Codes.	Increments when a CCA is received with all other result codes	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
system	url-blacklisting-hits	INT64	Incremental	active	The total number of blacklisted URL hits of all the configured billing plans.	Increments when a URL is found in the BL DB (stored as BL cache at ACSMgr).	Per Active Charging Service.	Standard
system	url-blacklisting-misses	INT64	Incremental	active	The total number of blacklisted URL misses of all the configured billing plans.	Increments when a URL is not found in the BL DB (stored as BL cache at ACSMgr).	Per Active Charging Service.	Standard
system	cf-static-ratereq	INT64	Incremental	active	The total number of static rating requests.	Increments when a request arrives at any SRDB for static rating.	Per Active Charging Service.	Standard
system	cf-static-ratesucc	INT64	Incremental	active	The total number of successful response for static rating requests.	Increments when a successful response is sent for static rating requests from SRDBs.	Per Active Charging Service.	Standard
system	cf-static-rateblock	INT64	Incremental	active	The total number of blocked response for static rating requests.	Increments when a blocked response is sent for static rating requests from SRDBs.	Per Active Charging Service.	Standard
system	cf-static-ratefail	INT64	Incremental	active	The total number of failed response for static rating requests.	Increments when an SRDB fails to send a response for static rating requests.	Per Active Charging Service.	Standard
system	cf-static-ratefail-nr	INT64	Incremental	active	The total number of failed response for static requests due to no rating in database.	Increments when an SRDB fails to send a response for static rating requests, due to no rating in database.	Per Active Charging Service.	Standard
system	cf-static-ratefail-notindb	INT64	Incremental	active	The total number of failed response for static requests due to no listing in database.	Increments when an SRDB fails to send a response for static rating requests, due to no listing in database.	Per Active Charging Service.	Standard
system	cf-dyn-ratereq	INT64	Incremental	active	The total number of dynamic rating requests.	Increments when a request arrives at any SRDB for dynamic rating.	Per Active Charging Service.	Standard
system	cf-dyn-ratesucc	INT64	Incremental	active	The total number of successful response for dynamic rating requests.	Increments when a successful response is sent for dynamic rating requests from SRDBs.	Per Active Charging Service.	Standard
system	cf-dyn-ratefail	INT64	Incremental	active	The total number of failed response for dynamic rating requests.	Increments when an SRDB fails to send a response for dynamic rating requests.	Per Active Charging Service.	Standard
system	cf-cache-hits	INT64	Incremental	active	The total number of URLs that get a hit (found) in the CF cache.	Increments when a URL is found in the CF cache.	Per Active Charging Service.	Standard
system	cf-cache-misses	INT64	Incremental	active	The total number of URLs that get a miss (not found) in the CF cache.	Increments when a URL is not found in the CF cache.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cf-cache-has-path-hits	INT64	Incremental	active	The total number of URLs whose domain_name entries are found in the CF cache based, and haspath bit was not set in the domain_name entry. I.e., no extended URLs are present in the SRDB for those domain_name URLs, so there is no need to go for rating.	Increments when a URL (whose domain_name entry is found in the CF cache) does not have its haspath bit set in the domain_name entry. That is, no extended URLs are present in the SRDB for that domain_name URL, so there is no need to go for rating.	Per Active Charging Service.	Standard
system	cf-cache-flushes	INT64	Incremental	active	The total number of URLs that are flushed from the CF cache.	Increments when a URL is flushed from the CF cache.	Per Active Charging Service.	Standard
system	cf-ratereq	INT64	Incremental	active	The total number of rating requests.	Increments when a static or dynamic request is sent to SRDB for rating.	Per Active Charging Service.	Standard
system	cf-ratesucc	INT64	Incremental	active	The total number of successful responses against all rating requests.	Increments when a successful response is sent for static or dynamic rating requests from SRDBs.	Per Active Charging Service.	Standard
system	cf-rateblock	INT64	Incremental	active	The total number of blocked responses against all rating requests.	Increments when a blocked response is sent for static rating requests from SRDBs.	Per Active Charging Service.	Standard
system	cf-ratefail	INT64	Incremental	active	The total number of failed response against all rating requests.	Increments when an SRDB fails to send a response for static or dynamic rating requests.	Per Active Charging Service.	Standard
system	cf-ttlsub	INT32	Incremental	active	The total number of CF subscribers.	Increments when a subscriber enables CF policy.	Per Active Charging Service.	Standard
system	cf-cursub	INT32	Gauge	active	The current number of CF subscribers.	Increments when a subscriber enables CF policy. Decrements when the call is aborted.	Per Active Charging Service.	Standard
system	cf-cat-xcategory-pkts-hit	INT32	Incremental	active	The total number of packets from sites with CF category xcategory accessed.	Increments whenever a packet from sites with CF category xcategory is accessed.	Per Active Charging Service.	Standard
system	cf-cat-xcategory-pkts-block	INT32	Incremental	active	The total number of packets from sites with CF category xcategory blocked.	Increments whenever a packet from sites with CF category xcategory is blocked.	Per Active Charging Service.	Standard
system	cf-cat-all-pkts-hit	INT32	Incremental	active	The total number of URLs categorized by default action.	Increments whenever a packet categorized by default action is accessed.	Per Active Charging Service.	Standard
system	cf-cat-all-pkts-block	INT32	Incremental	active	The total number of URLs blocked by default action.	Increments whenever a packet categorized by default action is blocked.	Per Active Charging Service.	Standard
system	cf-cat-timer-pkts-hit	INT32	Incremental	active	The total number of URLs categorized by timeout action.	Increments whenever a packet categorized by timeout action is accessed.	Per Active Charging Service.	Standard
system	cf-cat-timer-pkts-block	INT32	Incremental	active	The total number of URLs blocked by timeout action.	Increments whenever a packet categorized by timeout action is blocked.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	cf-cat-pkts-hit-summary	STRING	Incremental	active	Summary of total packets with CF category accessed.	Increments whenever a packet of any of the above categories is accessed.	Per Active Charging Service.	Standard
system	cf-cat-pkts-block-summary	STRING	Incremental	active	Summary of total packets with CF category blocked.	Increments whenever a packet of any of the above categories is blocked.	Per Active Charging Service.	Standard
system	ipsg-total-call-arrived	INT32	Incremental	active	The total number of IPSG calls arrived on this system.	Increments when a new IPSG call arrives.	Per system.	Standard
system	ipsg-total-call-rejected	INT32	Incremental	active	The total number of IPSG calls rejected by this system.	Increments when an IPSG call is rejected.	Per system.	Standard
system	ipsg-total-call-demult	INT32	Incremental	active	The total number of IPSG calls de-multiplexed by this system.	Increments when an IPSG is de-multiplexed.	Per system.	Standard
system	ipsg-total-dereg-rep-sent	INT32	Incremental	active	The total number of IPSG calls de-registered by this system.	Increments when an IPSG call is de-registered.	Per system.	Standard
system	ipsg-cur-active-call	INT32	Gauge	active	The number of IPSG calls currently active on this system.	Increments when an IPSG call comes up. Decrements when an IPSG call ends.	Per system.	Standard
system	ipsg-total-active-serv	INT32	Gauge	active	The total number of active IPSG services on this system.	Increments when an IPSG service is configured on the system. Decrements when an IPSG service is removed.	Per system.	Standard
system	dpca-cursess	INT32	Gauge	active	The total number of active DPCA sessions currently running on the node.	Increments when a DPCA session is created, Decrements when a DPCA session is terminated.	Per IMS Authorization Service	Standard
system	dcca-cursess	INT32	Gauge	active	The total number of active DCCA sessions currently running on the node.	Increments when an online Diameter session is created, Decrements when an online session is terminated, or when an online session is converted to offline	Per Credit Control Group	Standard
system	ikev2-cursa	INT32	Gauge	active	The total number of current security associations with Internet Key Exchange v2 (IKEv2).	Not Defined	Not Defined	Standard
system	ikev2-cursainit	INT32	Gauge	active	The total number of current security associations for which the peers initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-cursaresp	INT32	Gauge	active	The total number of response for active security associations with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-ttlsa	INT32	Incremental	active	The total number of security associations with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-ttlsainit	INT32	Incremental	active	The total number of security associations for which the gateway initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-ttlsaresp	INT32	Incremental	active	The total number of security associations for which the peers initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-attempt	INT32	Incremental	active	The total number of attempts for security association tunnel with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-attemptinit	INT32	Incremental	active	The total number of attempts for which the gateway initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-attemptresp	INT32	Incremental	active	The total number of attempts for which the peers initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-rxpacket	INT32	Incremental	active	The total number of packets received with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-txpacket	INT32	Incremental	active	The total number of packets transmitted with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-tx-fragments	INT32	Incremental	active	The total number of fragments transmitted to UE with Internet Key Exchange v2 (IKEv2)	Increments for each fragment packet transmitted to UE with Internet Key Exchange v2 (IKEv2)	Not Defined	Standard
system	ikev2-rx-fragments	INT32	Incremental	active	The total number of fragments recived from UE with Internet Key Exchange v2 (IKEv2)	Increments for each fragment packet received from UE with Internet Key Exchange v2 (IKEv2)	Not Defined	Standard
system	ikev2-tx-fragmented-packet	INT32	Incremental	active	The total number of fragmented packets transmitted to UE with Internet Key Exchange v2 (IKEv2)	Increments if packets are fragmented and transmitted to UE with Internet Key Exchange v2 (IKEv2)	Not Defined	Standard
system	ikev2-rx-fragmented-packet	INT32	Incremental	active	The total number of fragmented packets received from UE with Internet Key Exchange v2 (IKEv2)	Increments if fragment packets received from UE and reassembled with Internet Key Exchange v2 (IKEv2)	Not Defined	Standard
system	ikev2-rx-fragments-dropped	INT32	Incremental	active	The total number of fragments received from UE dropped with Internet Key Exchange v2 (IKEv2)	Increments for each fragment received from UE dropped with Internet Key Exchange v2 (IKEv2)	Not Defined	Standard
system	ikev2-rxoctet	INT32	Incremental	active	The total number of octets received with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-txoctet	INT32	Incremental	active	The total number of octets transmitted with Internet Key Exchange v2 (IKEv2)	Not Defined	Not Defined	Standard
system	ikev2-initfail	INT32	Incremental	active	The total number of failed negotiations for which the gateway initiated the IKE_SA_INIT exchanges.	Not Defined	Not Defined	Standard
system	ikev2-initfail-noresp	INT32	Incremental	active	The total number of negotiations initiated by the gateway that failed because of no responses from peers.	Not Defined	Not Defined	Standard
system	ikev2-initfail-resp	INT32	Incremental	active	The total number of negotiations initiated by the peers and responded to by the gateway that failed because of errors.	Not Defined	Not Defined	Standard
system	ikev2-invcookie	INT32	Incremental	active	The total number of invalid cookie errors.	Not Defined	Not Defined	Standard
system	ikev2-congrej	INT32	Incremental	active	The total number of negotiations that were rejected because of congestion control.	Not Defined	Not Defined	Standard
system	ikev2-congdrop	INT32	Incremental	active	The total number of negotiations that were dropped because of congestion control.	Not Defined	Not Defined	Standard
system	ikev2-unkxchgspi	INT32	Incremental	active	The total number of unknown exchange security parameter indexes.	Not Defined	Not Defined	Standard
system	ikev2-nattkeepalive-recv	INT32	Incremental	active	The total number of NAT-T Keep-Alive messages received with IKEv2	Not Defined	Not Defined	Standard
system	ikev2-nattkeepalive-send	INT32	Incremental	active	The total number of NAT-Keep-Alive messages sent with IKEv2	Not Defined	Not Defined	Standard
system	ikev2-dpd-recv	INT32	Incremental	active	The total number of DPD (Dead-Peer-Detection) request messages received.	Not Defined	Not Defined	Standard
system	ikev2-dpd-send	INT32	Incremental	active	The total number of DPD request messages sent.	Not Defined	Not Defined	Standard
system	ikev2-dpd-recv-reply	INT32	Incremental	active	The total number of DPD reply messages received.	Not Defined	Not Defined	Standard
system	ikev2-dpd-send-reply	INT32	Incremental	active	The total number of DPD reply messages sent.	Not Defined	Not Defined	Standard
system	ikev2-dpd-timeout	INT32	Incremental	active	The total number of failures to receive DPD reply messages before timeout.	Not Defined	Not Defined	Standard
system	ikev2-dpd-disconnect	INT32	Incremental	active	The total number of disconnections of security associations due to DPD timeout.	Not Defined	Not Defined	Standard
system	ipsec-dpd-p1rekey	INT32	Incremental	active	The total number of successful IKE SA rekeys.	Not Defined	Not Defined	Standard
system	ikev2-ikesadel	INT32	Incremental	active	The total number of deletes sent or received.	Not Defined	Not Defined	Standard
system	ikev2-ikesadelreq-sent	INT32	Incremental	active	The total number of delete requests sent.	Not Defined	Not Defined	Standard
system	ikev2-ikesadelreq-recv	INT32	Incremental	active	The total number of delete requests received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-ikesadelrep-sent	INT32	Incremental	active	The total number of delete replies sent.	Not Defined	Not Defined	Standard
system	ikev2-ikesadelrep-recv	INT32	Incremental	active	The total number of delete replies received.	Not Defined	Not Defined	Standard
system	ikev2-curikev2sa	INT32	Gauge	active	The total number of current IKEv2 Security Associations.	Not Defined	Not Defined	Standard
system	ikev2-curhalfsa	INT32	Gauge	active	The total number of negotiations in which the subject has received IKE_SA_INIT requests but has not finished IKE_AUTH exchanges.	Not Defined	Not Defined	Standard
system	ikev2-curconnsa	INT32	Gauge	active	The total number of negotiations in which the subject has sent or received IKE_SA_INIT requests but has not finished IKE_AUTH exchanges.	Not Defined	Not Defined	Standard
system	ikev2-curestsa	INT32	Gauge	active	The total number of currently established IKEv2 Security Associations.	Not Defined	Not Defined	Standard
system	ikev2-curchildsa	INT32	Gauge	active	The total number of current Child Security Associations.	Not Defined	Not Defined	Standard
system	ikev2-exp-retran	INT32	Incremental	active	The total number of IKESA retransmission expirations.	Not Defined	Not Defined	Standard
system	ikev2-exp-setupnoxchg	INT32	Incremental	active	The total number of IKESA setup expirations (no exchange).	Not Defined	Not Defined	Standard
system	ikev2-exp-setup	INT32	Incremental	active	The total number of IKESA setup expirations.	Not Defined	Not Defined	Standard
system	ikev2-exp-half-open-sa-noxchg	INT32	Incremental	active	The total number of IKESA Half Open SA timer expirations (no exchange).	Increments when Half Open SA timer expires without a valid exchange	Not Defined	Standard
system	ikev2-exp-half-open-sa	INT32	Incremental	active	The total number of IKESA half open SA timer expirations(valid exchange).	Increments when Half Open SA timer expires with a valid exchange	Not Defined	Standard
system	ikev2-exp-lifesoft	INT32	Incremental	active	The total number of IKESA lifetime (soft) expirations.	Not Defined	Not Defined	Standard
system	ikev2-exp-lifehard	INT32	Incremental	active	The total number of IKESA lifetime (hard) expirations.	Not Defined	Not Defined	Standard
system	ikev2-exp-childsetupnoxchg	INT32	Incremental	active	The total number of Child Security Association setup expirations (no exchange).	Not Defined	Not Defined	Standard
system	ikev2-exp-childlifesoft	INT32	Incremental	active	The total number of Child Security Association lifetime (soft) expirations.	Not Defined	Not Defined	Standard
system	ikev2-exp-childlifehard	INT32	Incremental	active	The total number of Child Security Association lifetime (hard) expirations.	Not Defined	Not Defined	Standard
system	ikev2-csa-createreqsnt	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange Requests sent.	Not Defined	Not Defined	Standard
system	ikev2-csa-createreqrcv	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange Requests received.	Not Defined	Not Defined	Standard
system	ikev2-csa-createrspsnt	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange Responses sent.	Not Defined	Not Defined	Standard
system	ikev2-csa-creatersprcv	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange Responses received.	Not Defined	Not Defined	Standard
system	ikev2-csa-createsucc	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange successes.	Not Defined	Not Defined	Standard
system	ikev2-csa-createfail	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange failures.	Not Defined	Not Defined	Standard
system	ikev2-csa-createsftovrflw	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange soft limit overflow attempts.	Not Defined	Not Defined	Standard
system	ikev2-csa-createhrdovrflw	INT32	Incremental	active	The total number of IKEv2 Create CHILD_SA Exchange hard limit overflow attempts.	Not Defined	Not Defined	Standard
system	ikev2-csa-sngldelpldsnt	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a single CHILD_SA Delete payload sent.	Not Defined	Not Defined	Standard
system	ikev2-csa-sngldelpldrcv	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a single CHILD_SA Delete payload received.	Not Defined	Not Defined	Standard
system	ikev2-csa-multdelpldsnt	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with multiple CHILD_SA Delete payloads sent.	Not Defined	Not Defined	Standard
system	ikev2-csa-multdelpldrcv	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with multiple CHILD_SA Delete payloads received.	Not Defined	Not Defined	Standard
system	ikev2-csa-delpldsnglspisnt	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a CHILD_SA Delete payload with a single SPI sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-csa-delpldsnglspircv	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a CHILD_SA Delete payload with a single SPI received.	Not Defined	Not Defined	Standard
system	ikev2-csa-delmultspisnt	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a CHILD_SA Delete payload with multiple SPIs sent.	Not Defined	Not Defined	Standard
system	ikev2-csa-delmultspircv	INT32	Incremental	active	The total number of IKEv2 INFORMATIONAL Exchanges with a CHILD_SA Delete payload with multiple SPIs received.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1succ	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication successes.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1fail	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1req	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication requests sent.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1rsp	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication responses received.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1finalsent	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication requests or responses sent in the final exchange of Phase 1 authentication.	Not Defined	Not Defined	Standard
system	ikev2-auth-p1finalrcvd	INT32	Incremental	active	The total number of IKEv2 Phase 1 authentication requests or responses received in the final exchange of Phase 1 authentication.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2succ	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication successes.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2fail	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2req	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication requests sent.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2rsp	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication responses received.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2succmd5	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication MD5 successes.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2failmd5	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication MD5 failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2succgtc	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication Generic Token Card successes.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2failgtc	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication Generic Token Card failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2finalsent	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication requests or responses sent in the final exchange of Phase 2 authentication.	Not Defined	Not Defined	Standard
system	ikev2-auth-p2finalrcvd	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication requests or responses received in the final exchange of Phase 2 authentication.	Not Defined	Not Defined	Standard
system	ikev2-auth-tot-rsp-sent	INT32	Incremental	active	The total number of IKEv2 Phase 2 authentication response sent in the final exchange of ikev2 authentication.	Not Defined	Not Defined	Standard
system	ikev2-auth-tot-rsp-reject	INT32	Incremental	active	The total number of IKEv2 Phase 2 notify payloads received after the final exchange of ikev2 authentication response is sent.	Not Defined	Not Defined	Standard
system	ikev2-auth-invalidnai	INT32	Incremental	active	The total number of IKEv2 exchanges received with invalid nai.	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropunexppld	INT32	Incremental	active	The total number of IKEv2 exchanges dropped due to unexpected payload recieved.	Not Defined	Not Defined	Standard
system	ikev2-auth-failhash	INT32	Incremental	active	The total number of IKEv2 authentication hash match failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-failsign	INT32	Incremental	active	The total number of IKEv2 authentication signing failures.	Not Defined	Not Defined	Standard
system	ikev2-auth-failmskmiss	INT32	Incremental	active	The total number of IKEv2 Master Session Keys missing at Phase 1 completion.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-auth-eap-id-req-sent	INT32	Incremental	active	The total number of IKEv2 EAP-Id Request Sent.	Not Defined	Not Defined	Standard
system	ikev2-auth-eap-id-rsp-rcvd	INT32	Incremental	active	The total number of IKEv2 EAP-Id Response Received.	Not Defined	Not Defined	Standard
system	ikev2-auth-common-id-sess-attempt	INT32	Incremental	active	The total number of IKEv2 Common-Id Session Attempts.	Not Defined	Not Defined	Standard
system	ikev2-auth-common-id-sess-success	INT32	Incremental	active	The total number of IKEv2 Common-Id Session Attempts.	Not Defined	Not Defined	Standard
system	ikev2-auth-failmissanother	INT32	Incremental	active	The total number of IKEv2 authentication that failed because of missing NOTIFY (ANOTHER_AUTH_FOLLOWS) payload.	Not Defined	Not Defined	Standard
system	ikev2-xchg-droprspnoikesa	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (response packets dropped). No IKE SA.	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropinvrsp	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (invalid responses).	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropnoninitnoikesa	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (non-init exchanges dropped). No IKE SA.	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropinvmsgid	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (invalid message ID).	Not Defined	Not Defined	Standard
system	ikev2-xchg-drop-msg-queuesize-exceeded	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (message queue size exceeded).	Increments when a IKEv2 messages gets dropped due to message queue size exceeded.	Not Defined	Standard
system	ikev2-xchg-drop-req-retx-decode-failure	INT32	Incremental	active	The total number of IKEv2 req exchanges dropped (retx req decode failure).	Increments when a IKEv2 retransmitted req message gets dropped due to decode failure.	Not Defined	Standard
system	ikev2-xchg-drop-req-no-key	INT32	Incremental	active	The total number of IKEv2 req dropped (no key)).	Increments when a IKEv2 req gets dropped due to no key available .	Not Defined	Standard
system	ikev2-xchg-drop-rsp-no-key	INT32	Incremental	active	The total number of IKEv2 rsp dropped (no key)).	Increments when a IKEv2 rsp gets dropped due to no key available .	Not Defined	Standard
system	ikev2-xchg-dropinvmajver	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (invalid major version).	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropikesaerr	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (IKE SA error).	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropunkcrit	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (unknown critical payload).	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropretransdisc	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (retransmitted request).	Not Defined	Not Defined	Standard
system	ikev2-xchg-dropcardmigration	INT32	Incremental	active	The total number of IKEv2 exchanges dropped (during card migration).	Not Defined	Not Defined	Standard
system	ikev2-notif-cooksent	INT32	Incremental	active	The total number of IKEv2 Cookie Notify payloads sent.	Not Defined	Not Defined	Standard
system	ikev2-notif-cookrecv	INT32	Incremental	active	The total number of IKEv2 Cookie Notify payloads received.	Not Defined	Not Defined	Standard
system	ikev2-notif-cookmatch	INT32	Incremental	active	The total number of IKEv2 Cookie Notify payloads matched.	Not Defined	Not Defined	Standard
system	ikev2-notif-cooknotmatch	INT32	Incremental	active	The total number of IKEv2 Cookie Notify payloads not matched.	Not Defined	Not Defined	Standard
system	ikev2-notif-multauthsupp	INT32	Incremental	active	The total number of IKEv2 multiple authentications supported.	Not Defined	Not Defined	Standard
system	ikev2-notif-anothauth	INT32	Incremental	active	The total number of NOTIFY (ANOTHER_AUTH_FOLLOWS) payloads received.	Not Defined	Not Defined	Standard
system	ikev2-rekey-ikesareqsent	INT32	Incremental	active	Total IKEv2 IKE SA rekey requests sent.	Not Defined	Not Defined	Standard
system	ikev2-rekey-ikesareqrcvd	INT32	Incremental	active	Total IKEv2 IKE SA rekey requests received.	Not Defined	Not Defined	Standard
system	ikev2-rekey-ikesarspsent	INT32	Incremental	active	Total IKEv2 IKE SA rekey responses sent.	Not Defined	Not Defined	Standard
system	ikev2-rekey-ikesarsprcvd	INT32	Incremental	active	Total IKEv2 IKE SA rekey responses received.	Not Defined	Not Defined	Standard
system	ikev2-rekey-ikesaignored	INT32	Incremental	active	Total IKEv2 IKE SA rekeys ignored.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-rekey-childsareqsent	INT32	Incremental	active	Total IKEv2 Child SA rekey requests sent.	Not Defined	Not Defined	Standard
system	ikev2-rekey-childsareqrecv	INT32	Incremental	active	Total IKEv2 Child SA rekey requests received.	Not Defined	Not Defined	Standard
system	ikev2-rekey-childsarspsent	INT32	Incremental	active	Total IKEv2 Child SA rekey responses sent.	Not Defined	Not Defined	Standard
system	ikev2-rekey-childsarsprecv	INT32	Incremental	active	Total IKEv2 Child SA rekey responses received.	Not Defined	Not Defined	Standard
system	ikev2-rekey-childsaignored	INT32	Incremental	active	Total IKEv2 Child SA rekeys ignored.	Not Defined	Not Defined	Standard
system	ikev2-mobike-sent	INT32	Incremental	active	Total IKEv2 MOBIKE_SUPPORTED Notify payloads sent.	Not Defined	Not Defined	Standard
system	ikev2-mobike-recv	INT32	Incremental	active	Total IKEv2 MOBIKE_SUPPORTED Notify payloads received.	Not Defined	Not Defined	Standard
system	ikev2-mobike-unexpected-natt-detected-sent	INT32	Incremental	active	Total unexpected natt detected sent.	Not Defined	Not Defined	Standard
system	ikev2-mobike-cookie2-rcvd	INT32	Incremental	active	Total Mobike Cookie2 rcvd.	Not Defined	Not Defined	Standard
system	ikev2-mobike-cookie2-sent	INT32	Incremental	active	Total Mobike Cookie2 sent.	Not Defined	Not Defined	Standard
system	ikev2-mobike-cookie2-mismatch	INT32	Incremental	active	Total Mobike Cookie2 mismatch.	Not Defined	Not Defined	Standard
system	ikev2-mobike-cookie2-match	INT32	Incremental	active	Total Mobike Cookie2 match.	Not Defined	Not Defined	Standard
system	ikev2-mobike-ignored	INT32	Incremental	active	Total IKEv2 MOBIKE_SUPPORTED Notify payloads ignored.	Not Defined	Not Defined	Standard
system	ikev2-info-cfg-reqsent	INT32	Incremental	active	Total IKEv2 IKE SA CFG request sent in IKEv2 Informational message.	Not Defined	Not Defined	Standard
system	ikev2-info-cfg-rsprecv	INT32	Incremental	active	Total IKEv2 IKE SA CFG Reply received in IKEv2 Informational message	Not Defined	Not Defined	Standard
system	ikev2-info-cfg-reqcoll	INT32	Incremental	active	Total IKEv2 IKE SA Collision during CFG Request in IKEv2 Informational message	Not Defined	Not Defined	Standard
system	ikev2-misc-ikesacrefail	INT32	Incremental	active	Total IKEv2 SA create failures.	Not Defined	Not Defined	Standard
system	ikev2-misc-saflowopfail	INT32	Incremental	active	Total IKEv2 child SA flow operation failures.	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-invke	INT32	Incremental	active	Total IKEv2 Notify payloads sent (invalid KE payload).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-invmajver	INT32	Incremental	active	Total IKEv2 Notify payloads sent (invalid major version).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-invmsgid	INT32	Incremental	active	Total IKEv2 Notify payloads sent (invalid message ID).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-invsyn	INT32	Incremental	active	Total IKEv2 Notify payloads sent (invalid syntax).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-noaddsa	INT32	Incremental	active	Total IKEv2 Notify payloads sent (no additional SAs).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-noprop	INT32	Incremental	active	Total IKEv2 Notify payloads sent (no proposal chosen).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-tsunaccept	INT32	Incremental	active	Total IKEv2 Notify payloads sent (TS unacceptable).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-unsuppcrit	INT32	Incremental	active	Total IKEv2 Notify payloads sent (unsupported critical payload).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-intfail	INT32	Incremental	active	Total IKEv2 Notify payloads received (internal failure sent).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-deviceid	INT32	Incremental	active	Total IKEv2 Notify payloads sent (device id).	Increments when UE sends Device ID Notify Payload	Not Defined	Standard
system	ikev2-notifpayrecv-deviceid	INT32	Incremental	active	Total IKEv2 Notify payloads received (device id).	Increments when ePDG sends Device ID Notify Payload	Not Defined	Standard
system	ikev2-notifpayrecv-invke	INT32	Incremental	active	Total IKEv2 Notify payloads received (invalid KE payload).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-invmajver	INT32	Incremental	active	Total IKEv2 Notify payloads received (invalid major version).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-invmsgid	INT32	Incremental	active	Total IKEv2 Notify payloads received (invalid message ID).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-invsyn	INT32	Incremental	active	Total IKEv2 Notify payloads received (invalid syntax).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-noaddsa	INT32	Incremental	active	Total IKEv2 Notify payloads received (no additional SAs).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-noprop	INT32	Incremental	active	Total IKEv2 Notify payloads received (no proposal chosen).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-tsunaccept	INT32	Incremental	active	Total IKEv2 Notify payloads received (TS unacceptable).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-unsuppcrit	INT32	Incremental	active	Total IKEv2 Notify payloads received (unsupported critical payload).	Not Defined	Not Defined	Standard
system	ikev2-notifpayrecv-pcscfreselsupp	INT32	Incremental	active	Total IKEv2 Notify payloads received (p-cscf reselection supported).	Not Defined	Not Defined	Standard
system	ikev2-notifpaysent-reactreq	INT32	Incremental	active	Total IKEv2 Notify payloads sent (Re-Activation Request).	Not Defined	Not Defined	Standard
system	ikev2-decfail-pktfail	INT32	Incremental	active	Total IKEv2 exchange decode failures (packet errors).	Not Defined	Not Defined	Standard
system	ikev2-decfail-interr	INT32	Incremental	active	Total IKEv2 exchange decode failures (internal errors).	Not Defined	Not Defined	Standard
system	ikev2-decfail-iphdr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IP header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-udphdr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid UDP header).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-decfail-ikehdr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrpay	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header payload).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrinitspi	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header init Security Parameter Index).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrrspspi	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header response Security Parameter Index).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrmajver	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header major version).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrminver	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header minor version).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrxchgtyp	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header exchange type).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrrecvflag	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header received flag).	Not Defined	Not Defined	Standard
system	ikev2-decfail-ikehdrlen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid IKE header length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-syn	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid syntax).	Not Defined	Not Defined	Standard
system	ikev2-decfail-paysyn	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid payload syntax).	Not Defined	Not Defined	Standard
system	ikev2-decfail-paylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unkcritpay	INT32	Incremental	active	Total IKEv2 exchange decode failures (unknown critical payload).	Not Defined	Not Defined	Standard
system	ikev2-decfail-toomanypay	INT32	Incremental	active	Total IKEv2 exchange decode failures (too many payloads).	Not Defined	Not Defined	Standard
system	ikev2-decfail-sapaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid SA payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-saprophdr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid SA proposal header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-saprophdrrecv	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid SA proposal header received).	Not Defined	Not Defined	Standard
system	ikev2-decfail-toomanytrans	INT32	Incremental	active	Total IKEv2 exchange decode failures (too many transforms).	Not Defined	Not Defined	Standard
system	ikev2-decfail-saprophdrlen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid SA proposal header length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-toomanyprop	INT32	Incremental	active	Total IKEv2 exchange decode failures (too many proposals).	Not Defined	Not Defined	Standard
system	ikev2-decfail-1stsapropnum	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid first SA proposal).	Not Defined	Not Defined	Standard
system	ikev2-decfail-saprotid	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid protocol ID in SA proposal).	Not Defined	Not Defined	Standard
system	ikev2-decfail-sapropnum	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid SA proposal number).	Not Defined	Not Defined	Standard
system	ikev2-decfail-translen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid transform length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-transhdr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid transform header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-transhdrrecv	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid transform header received).	Not Defined	Not Defined	Standard
system	ikev2-decfail-transtype	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid transform type).	Not Defined	Not Defined	Standard
system	ikev2-decfail-transid	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid transform ID).	Not Defined	Not Defined	Standard
system	ikev2-decfail-kepaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid KE payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-kedhgrp	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid KE DH group).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-decfail-kedhgrplen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid KE DH group length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-idpaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid ID payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-idpaytype	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid ID payload type).	Not Defined	Not Defined	Standard
system	ikev2-decfail-authpaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid authentication payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-noncepaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid nonce payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpayspilen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload Security Parameter Index length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpaynat	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload NAT).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpayprotid	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload protocol ID).	Not Defined	Not Defined	Standard
system	ikev2-decfail-eappaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid EAP payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpayrekey	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload rekey).	Not Defined	Not Defined	Standard
system	ikev2-decfail-cppaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid CP payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-notifpaycook	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid Notify payload cookie).	Not Defined	Not Defined	Standard
system	ikev2-decfail-tspaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid TS payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-cppayattrlen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid CP payload attribute length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-tspayrecv	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid TS payload received).	Not Defined	Not Defined	Standard
system	ikev2-decfail-encrpaylen	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid encrypted payload length).	Not Defined	Not Defined	Standard
system	ikev2-decfail-tspaytstype	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid TS payload TS type).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppcritpay	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported critical payload).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppcertpay	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported certificate payload).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppnotifprotah	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported Notify protocol authentication header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppauthmeth	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported authentication method).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsupppaycritvid	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported payload critical VID).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppmeth	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported method).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unkerr	INT32	Incremental	active	Total IKEv2 exchange decode failures (unknown error).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsuppsapayprotah	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported SA payload protocol authentication header).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsupptspaytsnum	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported TS payload TS number).	Not Defined	Not Defined	Standard
system	ikev2-decfail-unsupptspaytstype	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported TS payload TS type).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-decfail-unsupptspaytsprot	INT32	Incremental	active	Total IKEv2 exchange decode failures (unsupported TS payload TS protocol).	Not Defined	Not Defined	Standard
system	ikev2-decfail-cppaynoipaddr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid CP payload-no IP address).	Not Defined	Not Defined	Standard
system	ikev2-decfail-cppayunkattr	INT32	Incremental	active	Total IKEv2 exchange decode failures (invalid CP payload-unknown attribute).	Not Defined	Not Defined	Standard
system	ikev2-decryptfail	INT32	Incremental	active	Total IKEv2 decryption failures (packets failure).	Not Defined	Not Defined	Standard
system	ikev2-decryptfail-hmac	INT32	Incremental	active	Total IKEv2 decryption failures (HMAC mismatch).	Not Defined	Not Defined	Standard
system	ikev2-decryptfail-count-exceeded	INT32	Incremental	active	Total IKEv2 decryption failures (Fail Count Exceeded).	Increments when IKEv2 decryption failure count exceeds the configured value	Not Defined	Standard
system	ikev2-decryptfail-pad	INT32	Incremental	active	Total IKEv2 decryption failures (PAD length error).	Not Defined	Not Defined	Standard
system	ikev2-xchg-badmsgid	INT32	Incremental	active	Total IKEv2 exchange statistics (bad message ID).	Not Defined	Not Defined	Standard
system	ikev2-xchg-badresp	INT32	Incremental	active	Total IKEv2 exchange statistics (bad response).	Not Defined	Not Defined	Standard
system	ikev2-xchg-stalemsgid	INT32	Incremental	active	Total IKEv2 exchange statistics (stale message ID).	Not Defined	Not Defined	Standard
system	ikev2-xchg-unkerr	INT32	Incremental	active	Total IKEv2 exchange statistics (unknown error).	Not Defined	Not Defined	Standard
system	ikev2-xchg-statelookfail	INT32	Incremental	active	Total IKEv2 exchange statistics (state lookup failure).	Not Defined	Not Defined	Standard
system	ikev2-nat-update-addr-control	INT32	Incremental	active	Total IKEv2 nat addr update due to control(IKEv2) packet.	Not Defined	Not Defined	Standard
system	ikev2-nat-update-addr-data	INT32	Incremental	active	Total IKEv2 nat addr update due to data (ESP) packet.	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-unsuppcritpay	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (unsupported critical payload).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invikespi	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid IKE Security Parameter Index).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invmajver	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid major version).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invsyn	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid syntax).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invmsgid	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid message ID).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invspi	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid Security Parameter Index).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-nopropchosen	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (no proposal chosen).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invkepay	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid KE payload).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-authfail	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (authentication failure).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-singpairreq	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (single pair required).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-noaddsa	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (no additional SAs).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-intaddrfail	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (internal address failure).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-failcpreq	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (failed CP required).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-tsunaccept	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (TS unacceptable).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-invsel	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (invalid selectors).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-unacceptaddr	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (unacceptable addresses).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-multiauthsupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (multiple authentication supported).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-notifrecv-anothauthfoll	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (another authentication follows).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-unexpectnat	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (unexpected NAT detected).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-macauthfail	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (MAC address authentication failed).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-hsserrusrunk	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (HSS erroruser unknown).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-initcont	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (initial contact).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-windsiz	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (set window size).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-addtsposs	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (additional TS possible).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-ipcompsupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (IPCOMP supported).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-natdetsrcip	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (NAT detectionsource IP).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-natdetdstip	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (NAT detectiondestination IP).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-cookie	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (cookie).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-usetransmode	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (use transport mode).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-httpcertsupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (HTTP certificate lookup supported).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-rekeysa	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (rekey SA).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-nonfirstfragalso	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (non-first fragment also).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-mobikesupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (MOBIKE supported).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-addip4addr	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (additional IPv4 address).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-addip6addr	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (additional IPv6 address).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-noaddaddr	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (no additional address).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-updsaaddr	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (update SA addresses).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-cookie2	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (cookie 2).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-pcscfreselsupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (p-cscf reselection supported).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-nonatallow	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (no NAT allowed).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-other	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (others or unknown).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-sipfallbnotallow	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (SIP fallback not allowed).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-esptfcpadnotsupp	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (ESP TFC padding not supported).	Not Defined	Not Defined	Standard
system	ikev2-notifrecv-congrejrecv	INT32	Incremental	active	Total IKEv2 Notify message receive statistics (congestion rejections received).	Not Defined	Not Defined	Standard
system	ikev2-cert-reqsent	INT32	Incremental	active	Total IKEv2 certification statistics (certificate requests sent).	Not Defined	Not Defined	Standard
system	ikev2-cert-reqrecv	INT32	Incremental	active	Total IKEv2 certification statistics (certificate requests received).	Not Defined	Not Defined	Standard
system	ikev2-cert-req-ignored	INT32	Incremental	active	Total IKEv2 certification statistics (certificates req ignored).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-cert-ignored	INT32	Incremental	active	Total IKEv2 certification statistics (certificates ignored).	Not Defined	Not Defined	Standard
system	ikev2-cert-hashurl-sent	INT32	Incremental	active	Total IKEv2 certification statistics (certificate hashurl sent).	Not Defined	Not Defined	Standard
system	ikev2-cert-hashurl-recv	INT32	Incremental	active	Total IKEv2 certification statistics (certificates hashurl recvd).	Not Defined	Not Defined	Standard
system	ikev2-cert-req-hashurl-sent	INT32	Incremental	active	Total IKEv2 certification statistics (certificates req hashurl sent).	Not Defined	Not Defined	Standard
system	ikev2-cert-req-hashurl-recv	INT32	Incremental	active	Total IKEv2 certification statistics (certificates req hashurl recvd).	Not Defined	Not Defined	Standard
system	ikev2-cert-sent	INT32	Incremental	active	Total IKEv2 certification statistics (certificates sent).	Not Defined	Not Defined	Standard
system	ikev2-cert-recv	INT32	Incremental	active	Total IKEv2 certification statistics (certificates received).	Not Defined	Not Defined	Standard
system	ikev2-subca-cert-sent	INT32	Incremental	active	Total IKEv2 certification statistics (subca certificates sent).	Increments when SUBCA certficate is sent in IKE payload	Not Defined	Standard
system	ikev2-subca-cert-recv	INT32	Incremental	active	Total IKEv2 certification statistics (subca certificates received).	Increments when SUBCA certficate is received in IKE payload	Not Defined	Standard
system	ikev2-server-cert-sent	INT32	Incremental	active	Total IKEv2 certification statistics (server certificates sent excluding CA certificates).	Increments when non CA certficate is sent in IKE payload	Not Defined	Standard
system	ikev2-ca-cert-chains-sent	INT32	Incremental	active	Total IKEv2 certification statistics (CA certificate chains sent).	Increments when CA certficate chain is sent in IKE payload	Not Defined	Standard
system	ikev2-cert-auth-fail-large-length	INT32	Incremental	active	Total IKEv2 certification auth failures due to large certificate length.	Increments when a certificate with a length larger than configured value is downloaded.	Not Defined	Standard
system	ikev2-current-eap-aka-auth-method	INT32	Gauge	active	Total number of current security associations with eap-aka auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-aka-auth-method	INT32	Incremental	active	Total number of attempt security associations with eap-aka auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-eap-aka-auth-method	INT32	Incremental	active	Total number of success security associations with eap-aka auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-eap-aka-auth-method	INT32	Incremental	active	Total number of failure security associations with eap-aka auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-eap-sim-auth-method	INT32	Gauge	active	Total number of current security associations with eap-sim auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-sim-auth-method	INT32	Incremental	active	Total number of attempt security associations with eap-sim auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-eap-sim-auth-method	INT32	Incremental	active	Total number of success security associations with eap-sim auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-eap-sim-auth-method	INT32	Incremental	active	Total number of failure security associations with eap-sim auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-local-cert-auth-method	INT32	Gauge	active	Total number of current security associations with local cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-local-cert-auth-method	INT32	Incremental	active	Total number of attempt security associations with local cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-local-cert-auth-method	INT32	Incremental	active	Total number of success security associations with local cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-local-cert-auth-method	INT32	Incremental	active	Total number of failure security associations with local cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-remote-cert-auth-method	INT32	Gauge	active	Total number of current security associations with remote cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-remote-cert-auth-method	INT32	Incremental	active	Total number of attempt security associations with remote cert auth method.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ikev2-success-remote-cert-auth-method	INT32	Incremental	active	Total number of success security associations with remote cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-remote-cert-auth-method	INT32	Incremental	active	Total number of failure security associations with remote cert auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-eap-tls-auth-method	INT32	Gauge	active	Total number of current security associations with eap-tls auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-tls-auth-method	INT32	Incremental	active	Total number of attempt security associations with eap-tls auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-eap-tls-auth-method	INT32	Incremental	active	Total number of success security associations with eap-tls auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-eap-tls-auth-method	INT32	Incremental	active	Total number of failure security associations with eap-tls auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-eap-ttls-auth-method	INT32	Gauge	active	Total number of current security associations with eap-ttls auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-ttls-auth-method	INT32	Incremental	active	Total number of attempt security associations with eap-ttls auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-eap-ttls-auth-method	INT32	Incremental	active	Total number of success security associations with eap-ttls auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-eap-ttls-auth-method	INT32	Incremental	active	Total number of failure security associations with eap-ttls auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-eap-mschapv2-auth-method	INT32	Gauge	active	Total number of current security associations with eap-mschapv2 auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-mschapv2-auth-method	INT32	Gauge	active	Total number of attempt security associations with eap-mschapv2 auth method.	Not Defined	Not Defined	Standard
system	ikev2-attempt-eap-mschapv2-auth-method	INT32	Incremental	active	Total number of attempt security associations with eap-mschapv2 auth method.	Not Defined	Not Defined	Standard
system	ikev2-success-eap-mschapv2-auth-method	INT32	Incremental	active	Total number of success security associations with eap-mschapv2 auth method.	Not Defined	Not Defined	Standard
system	ikev2-failure-eap-mschapv2-auth-method	INT32	Incremental	active	Total number of failure security associations with eap-mschapv2 auth method.	Not Defined	Not Defined	Standard
system	ikev2-current-eap-md5-auth-method	INT32	Gauge	active	Total number of current security associations with eap-md5 auth method.	Increments for an active eap-md5 sesssion	Not Defined	Standard
system	ikev2-attempt-eap-md5-auth-method	INT32	Incremental	active	Total number of security associations attempts with eap-md5 auth method.	Increments when a eap-md5 sesssion attempt is made.	Not Defined	Standard
system	ikev2-success-eap-md5-auth-method	INT32	Incremental	active	Total number of successful security associations with eap-md5 auth method.	Increments when a successful eap-md5 sesssion is created	Not Defined	Standard
system	ikev2-failure-eap-md5-auth-method	INT32	Incremental	active	Total number of security associations failures with eap-md5 auth method.	Increments when a eap-md5 sesssion fails.	Not Defined	Standard
system	ikev2-current-eap-peap-auth-method	INT32	Gauge	active	Total number of current security associations with eap-peap auth method.	Increments for an active eap-peap sesssion	Not Defined	Standard
system	ikev2-attempt-eap-peap-auth-method	INT32	Incremental	active	Total number of security associations attempts with eap-peap auth method.	Increments when a eap-peapmd5 sesssion attempt is made.	Not Defined	Standard
system	ikev2-success-eap-peap-auth-method	INT32	Incremental	active	Total number of successful security associations with eap-peap auth method.	Increments when a successful eap-peap sesssion is created	Not Defined	Standard
system	ikev2-failure-eap-peap-auth-method	INT32	Incremental	active	Total number of security associations failures with eap-peap auth method.	Increments when a eap-peap sesssion fails.	Not Defined	Standard
system	ikev2-ikesa-rekey-rate-temp-failure	INT32	Incremental	active	Total number of temporary failures sent for IKESA rekey requests due to rekey rate exceeded .	Increments when a temporary failure to CHILDSA request is sent due to rekey rate excceded.	Not Defined	Standard
system	ikev2-childsa-rekey-rate-temp-failure	INT32	Incremental	active	Total number of temporary failures sent for CHILDSA rekey requests due to rekey rate exceeded .	Not Defined	Not Defined	Standard
system	ike-udpflows	INT32	Gauge	active	IKE statistics (current UDP flows).	Not Defined	Not Defined	Standard
system	ike-cookieflows	INT32	Gauge	active	IKE statistics (current cookie flows).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ike-txpackets	INT32	Incremental	active	Total IKE Transmit statistics (IKE packets transmitted).	Not Defined	Not Defined	Standard
system	ike-rxpackets	INT32	Incremental	active	Total IKE Receive statistics (IKE packets received).	Not Defined	Not Defined	Standard
system	ike-reqrecv	INT32	Incremental	active	Total IKE Receive statistics (new IKE requests).	Not Defined	Not Defined	Standard
system	ike-udpflowpackets	INT32	Incremental	active	Total IKE Receive statistics (UDP flow packets).	Not Defined	Not Defined	Standard
system	ike-cookieflowpackets	INT32	Incremental	active	Total IKE Receive statistics (cookie flow packets).	Not Defined	Not Defined	Standard
system	sub-init-initmodetimerexpired	INT32	Incremental	active	Total number of femtocell subscriber initialization failures due to Init mode timer expiry.	Not Defined	Not Defined	Standard
system	sub-init-respmodetimerexpired	INT32	Incremental	active	Total number of femtocell subscriber initialization failures due to response mode timer expiry.	Not Defined	Not Defined	Standard
system	sub-init-ikeinitsent	INT32	Incremental	active	Total number of femtocell subscriber IKE initialization requests sent.	Not Defined	Not Defined	Standard
system	sub-init-ikeinitretrysent	INT32	Incremental	active	Total number of femtocell subscriber IKE initialization retries sent.	Not Defined	Not Defined	Standard
system	sub-init-collisionwhilesending	INT32	Incremental	active	Total number of collisions that occurred when sending femtocell subscriber initialization requests.	Not Defined	Not Defined	Standard
system	sub-init-collisionatprocessing	INT32	Incremental	active	Total number of collisions that occurred during the processing of femtocell subscriber initialization requests.	Not Defined	Not Defined	Standard
system	sub-init-ikeinittimeout	INT32	Incremental	active	Total number of IKE Init timeouts encountered during femtocell subscriber initializations.	Not Defined	Not Defined	Standard
system	sub-init-kvstoreerror	INT32	Incremental	active	Total number of KV (key value) store errors encountered during femtocell subscriber initializations.	Not Defined	Not Defined	Standard
system	sub-init-nonzerorefcount	INT32	Incremental	active	Total number of times a femtocell subscriber intialization experienced a non-zero reference count.	Not Defined	Not Defined	Standard
system	ipsec-cur-tun	INT32	Gauge	active	Current IPSec tunnels.	Not Defined	Not Defined	Standard
system	ipsec-cur-tunestablished	INT32	Gauge	active	Current IPSec tunnels established.	Not Defined	Not Defined	Standard
system	ipsec-ike-fails	INT32	Incremental	active	Total IPSec IKE failures.	Not Defined	Not Defined	Standard
system	ipsec-ttl-tun	INT32	Incremental	active	Total IPSec TTL tunnels.	Not Defined	Not Defined	Standard
system	crypto-txesppacket	INT64	Incremental	active	Total Transmit statistics (ESP encoded packets).	Not Defined	Not Defined	Standard
system	crypto-txespoctet	INT64	Incremental	active	Total Transmit statistics (ESP encoded bytes).	Not Defined	Not Defined	Standard
system	crypto-txahpacket	INT64	Incremental	active	Total Transmit statistics (Authentication Header encoded packets).	Not Defined	Not Defined	Standard
system	crypto-txahoctet	INT64	Incremental	active	Total Transmit statistics (Authentication Header encoded bytes).	Not Defined	Not Defined	Standard
system	crypto-rxesppacket	INT64	Incremental	active	Total Receive statistics (ESP decoded packets).	Not Defined	Not Defined	Standard
system	crypto-rxespoctet	INT64	Incremental	active	Total Receive statistics (ESP decoded bytes).	Not Defined	Not Defined	Standard
system	crypto-rxahpacket	INT64	Incremental	active	Total Receive statistics (Authentication Header encoded packets).	Not Defined	Not Defined	Standard
system	crypto-rxahoctet	INT64	Incremental	active	Total Receive statistics (Authentication Header encoded bytes).	Not Defined	Not Defined	Standard
system	crypto-errauthpacket	INT64	Incremental	active	Total Receive statistics (error counterauthentication packets).	Not Defined	Not Defined	Standard
system	crypto-errauthoctet	INT64	Incremental	active	Total Receive statistics (error counter-authentication bytes).	Not Defined	Not Defined	Standard
system	crypto-errbadrecpacket	INT64	Incremental	active	Total Receive statistics (error counter-bad record packets).	Not Defined	Not Defined	Standard
system	crypto-errbadrecoctet	INT64	Incremental	active	Total Receive statistics (error counter-bad record bytes.	Not Defined	Not Defined	Standard
system	crypto-errdiscpacket	INT64	Incremental	active	Total Receive statistics (error counterdiscarded packets).	Not Defined	Not Defined	Standard
system	crypto-errdiscoctet	INT64	Incremental	active	Total Receive statistics (error counterdiscarded bytes).	Not Defined	Not Defined	Standard
system	crypto-errignpacket	INT64	Incremental	active	Total Receive statistics (error counterignored packets).	Not Defined	Not Defined	Standard
system	crypto-errignoctet	INT64	Incremental	active	Total Receive statistics (error counterignored bytes).	Not Defined	Not Defined	Standard
system	crypto-errunderrunpacket	INT64	Incremental	active	Total Receive statistics (error counterinput under-run packets).	Not Defined	Not Defined	Standard
system	crypto-errunderrunoctet	INT64	Incremental	active	Total Receive statistics (error counterinput under-run bytes).	Not Defined	Not Defined	Standard
system	crypto-errinvpacket	INT64	Incremental	active	Total Receive statistics (error counterinvalid packets).	Not Defined	Not Defined	Standard
system	crypto-errinvoctet	INT64	Incremental	active	Total Receive statistics (error counterinvalid bytes).	Not Defined	Not Defined	Standard
system	crypto-errreplaypacket	INT64	Incremental	active	Total Receive statistics (error counterreplay packets).	Not Defined	Not Defined	Standard
system	crypto-errreplayoctet	INT64	Incremental	active	Total Receive statistics (error counterreplay bytes).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ipsecctrl-lte-template-reqs	INT32	Incremental	active	IPSec Controller - LTE - The total number of service template request messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-template-unreg-reqs	INT32	Incremental	active	IPSec Controller - LTE - The total number of service template unregister request messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-map-reqs	INT32	Incremental	active	IPSec Controller - LTE - The total number of crypto map request messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-map-est	INT32	Incremental	active	IPSec Controller - LTE - The total number of crypto map established messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-map-del-reqs	INT32	Incremental	active	IPSec Controller - LTE - The total number of crypto map delete request messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-map-failed	INT32	Incremental	active	IPSec Controller - LTE - The total number of crypto map failed messages.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-map-state-notif	INT32	Incremental	active	IPSec Controller - LTE - The total number of crypto map state change notifications sent by this system.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-ipsecmgr-death-notif	INT32	Incremental	active	IPSec Controller - LTE - The total number of ipsecmgr death notification messages sent to the registered facilites.	Not Defined	Not Defined	Standard
system	ipsecctrl-lte-qos-maps	INT32	Gauge	active	IPSec Controller - LTE - The total number of crypto maps with QoS.	Not Defined	Not Defined	Standard
system	ssl-cursess	INT64	Gauge	active	This proprietary gauge indicates the total number of SSL sessions currently running on the system.	Not Defined	Not Defined	Standard
system	ssl-curconninit	INT64	Gauge	active	This proprietary gauge indicates the total number of current SSL connections that have been initiated.	Not Defined	Not Defined	Standard
system	ssl-curconnresp	INT64	Gauge	active	This proprietary gauge indicates the total number of current SSL connections that have been responded to.	Not Defined	Not Defined	Standard
system	ssl-curconnected	INT64	Gauge	active	This proprietary gauge indicates the total number of current SSL connections that are connected.	Not Defined	Not Defined	Standard
system	ssl-curconnfail	INT64	Gauge	active	This proprietary gauge indicates the total number of current SSL connections that have failed.	Not Defined	Not Defined	Standard
system	ssl-curconnecting	INT64	Gauge	active	This proprietary gauge indicates the total number of current SSL connections that are connecting.	Not Defined	Not Defined	Standard
system	ssl-conclosesent	INT64	Incremental	active	This proprietary counter tracks the total number of SSL connection close messages sent.	Not Defined	Not Defined	Standard
system	ssl-conclosercvd	INT64	Incremental	active	This proprietary counter tracks the total number of SSL connection close messages received.	Not Defined	Not Defined	Standard
system	ssl-cachehits	INT64	Incremental	active	This proprietary counter tracks the total number of hits for the SSL session cache.	Not Defined	Not Defined	Standard
system	ssl-cachemiss	INT64	Incremental	active	This proprietary counter tracks the total number of misses for the SSL session cache.	Not Defined	Not Defined	Standard
system	ssl-cachetimeout	INT64	Incremental	active	This proprietary counter tracks the total number of timeouts for the SSL session cache.	Not Defined	Not Defined	Standard
system	ssl-cachefull	INT64	Incremental	active	This proprietary counter tracks the total number of times the SSL session cache has been full.	Not Defined	Not Defined	Standard
system	ssl-cachetotalsess	INT64	Gauge	active	This proprietary counter tracks the total number of current sessions for the SSL session cache.	Not Defined	Not Defined	Standard
system	ssl-txrecord	INT64	Incremental	active	This proprietary counter tracks the total number of SSL records transmitted.	Not Defined	Not Defined	Standard
system	ssl-txmsg	INT64	Incremental	active	This proprietary counter tracks the total number of SSL messages transmitted.	Not Defined	Not Defined	Standard
system	ssl-txbyte	INT64	Incremental	active	This proprietary counter tracks the total number of SSL bytes transmitted.	Not Defined	Not Defined	Standard
system	ssl-rxrecord	INT64	Incremental	active	This proprietary counter tracks the total number of SSL records received.	Not Defined	Not Defined	Standard
system	ssl-rxmsg	INT64	Incremental	active	This proprietary counter tracks the total number of SSL messages transmit received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ssl-rxbyte	INT64	Incremental	active	This proprietary counter tracks the total number of SSL bytes received.	Not Defined	Not Defined	Standard
system	ssl-encerr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL encryption errors.	Not Defined	Not Defined	Standard
system	ssl-decerr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL decode errors.	Not Defined	Not Defined	Standard
system	ssl-decryerr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL decryption errors.	Not Defined	Not Defined	Standard
system	ssl-autherr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL authentication errors.	Not Defined	Not Defined	Standard
system	ssl-failinithserr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL initiated handshakes failed with errors.	Not Defined	Not Defined	Standard
system	ssl-failtimeouthserr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL handshakes failed with timeouts.	Not Defined	Not Defined	Standard
system	ssl-failresphserr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL responded handshakes failed with errors.	Not Defined	Not Defined	Standard
system	ssl-alertrecv	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-unexpmsg	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for unexpected message.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-badrecmac	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for bad MAC record.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-decryfail	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for decryption failure.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-compfail	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for decompression failure.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-recoflow	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for record overflow.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-handshake	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for handshake failure.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-illparm	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for illegal parameters.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-certunsupp	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for unsupported certificates.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-certbad	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for bad certificate.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-certexpir	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received - certificate expired.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-certrevok	INT64	Incremental	active	Number of SSL alerts received for certificate revoked.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-certunk	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for certificate unknown.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-accdeny	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for access denied.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-decode	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for decode errors.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-decryerr	INT64	Incremental	active	Number of SSL alerts received - decryption error.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-export	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for export restricted.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-protover	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for protocol version.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-interr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for internal errors.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-insuffsec	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for insufficient security.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	ssl-alertrecv-usercanc	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for user cancellation.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-noreneg	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for no renegotiation.	Not Defined	Not Defined	Standard
system	ssl-alertrecv-unknownca	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts received for unknown certificate authority.	Not Defined	Not Defined	Standard
system	ssl-alertsent	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent.	Not Defined	Not Defined	Standard
system	ssl-alertsent-unexpmsg	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for unexpected messages.	Not Defined	Not Defined	Standard
system	ssl-alertsent-badrecmac	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for bad MAC records.	Not Defined	Not Defined	Standard
system	ssl-alertsent-decryfailed	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for decryption failed.	Not Defined	Not Defined	Standard
system	ssl-alertsent-recoflow	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for record overflow.	Not Defined	Not Defined	Standard
system	ssl-alertsent-handshake	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for handshake failure.	Not Defined	Not Defined	Standard
system	ssl-alertsent-illparam	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for illegal parameters.	Not Defined	Not Defined	Standard
system	ssl-alertsent-accdenied	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for access denied.	Not Defined	Not Defined	Standard
system	ssl-alertsent-decodeerror	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for decode error.	Not Defined	Not Defined	Standard
system	ssl-alertsent-decrypterror	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for decryption error.	Not Defined	Not Defined	Standard
system	ssl-alertsent-export	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for export restriction.	Not Defined	Not Defined	Standard
system	ssl-alertsent-protover	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for protocol version.	Not Defined	Not Defined	Standard
system	ssl-alertsent-interr	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for internal error.	Not Defined	Not Defined	Standard
system	ssl-alertsent-noregen	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for no renegotiation.	Not Defined	Not Defined	Standard
system	ssl-alertsent-unknown	INT64	Incremental	active	This proprietary counter tracks the total number of SSL alerts sent for unknown reason.	Not Defined	Not Defined	Standard
system	hamipv6-totsubscriber	INT32	Incremental	active	The current number of system-wide HAMIPv6 subscribers.	Not Defined	Not Defined	Standard
system	disc-reason-summary	STRING	Incremental	active	Contains all of the disconnect reason counters at once in following format: code = count code = count ..... code = count All non-zero disconnect counters will be exported in a semi-colon separated format. If no disconnect statistics are available, the value of This statistic will be a zero-length string.	Not Defined	Not Defined	Standard
system	enddate	STRING	Incremental	active	The date at which data ceased to be gathered in YYYYMMDD format where YYYY represents the year, MM represents the month and DD represents the day.	Not Defined	Not Defined	Standard
system	endtime	STRING	Incremental	active	The time at which data ceased to be gathered in HHMMSS format where HH represents the hours, MM represents the minutes, and SS represents the seconds.	Not Defined	Not Defined	Standard
system	localenddate	STRING	Incremental	active	The date (adjusted for the local timezone) at which data ceased to be gathered in YYYYMMDD format where YYYY represents the year, MM represents the month and DD represents the day.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	localendtime	STRING	Incremental	active	The time (adjusted for the local timezone) at which data ceased to be gathered in HHMMSS format where HH represents the hours, MM represents the minutes, and SS represents the seconds.	Not Defined	Not Defined	Standard
system	incremental	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
system	swversion	STRING	Incremental	active	The system software version in a string of the form 5.0	Not Defined	Not Defined	Standard
system	peak-cpuusage	FLOAT	Gauge	active	The system level maximum value of CPU usage.	Not Defined	Not Defined	Standard
system	peak-memusage	FLOAT	Gauge	active	The system level maximum value of memory usage.	Not Defined	Not Defined	Standard
system	uptimestr	STRING	Incremental	active	The system uptime as a string that shows days, hours, and minutes.	Not Defined	Not Defined	Standard
system	system-capacity-usage	FLOAT	Gauge	active	Chassis wide system capacity usage	Not Defined	Not Defined	Standard
system	session-capacity	INT32	Gauge	active	Chassis wide session capacity	Not Defined	Not Defined	Standard
system	session-capacity-usage	INT32	Gauge	active	Chassis wide session capacity usage	Not Defined	Not Defined	Standard
system	npu-capacity	INT32	Gauge	active	Chassis wide NPU capacity	Not Defined	Not Defined	Standard
system	npu-capacity-usage	INT32	Gauge	active	Chassis wide NPU capacity usage	Not Defined	Not Defined	Standard
system	sess-max-lastreset-time	STRING	Incremental	active	The timestamp the last reset for the maximum number of sessions.	Not Defined	Not Defined	Standard
system	sess-maxpdsn	INT32	Gauge	active	The maximum number of PDSN sessions.	Not Defined	Not Defined	Standard
system	sess-maxpdsn-time	STRING	Incremental	active	The timestamp for max PDSN sessions.	Not Defined	Not Defined	Standard
system	sess-maxha	INT32	Gauge	active	The maximum number of HA sessions.	Not Defined	Not Defined	Standard
system	sess-maxha-time	STRING	Gauge	active	The timestamp for maximum number of HA sessions.	Not Defined	Not Defined	Standard
system	sess-maxl2tplns	INT32	Gauge	active	The maximum number of L2TP LNS sessions.	Not Defined	Not Defined	Standard
system	sess-maxl2tplns-time	STRING	Gauge	active	The timestamp for maximum number of L2TP sessions.	Not Defined	Not Defined	Standard
system	sess-maxecsv2	INT32	Gauge	active	The maximum number of ECSv2 sessions.	Not Defined	Not Defined	Standard
system	sess-maxecsv2-time	STRING	Gauge	active	The timestamp for maximum number of ECSv2 sessions.	Not Defined	Not Defined	Standard
system	sess-maxevdoreva-pdsn	INT32	Gauge	active	The maximum number of EVDO Rev A sessions.	Not Defined	Not Defined	Standard
system	sess-maxevdoreva-pdsn-time	STRING	Gauge	active	The timestamp for maximum number of EVDO Rev A Sessions.	Not Defined	Not Defined	Standard
system	sess-maxipsg	INT32	Gauge	active	The maximum number of IP Services Gateway (IPSG) sessions.	Not Defined	Not Defined	Standard
system	sess-maxipsg-time	STRING	Gauge	active	The timestamp for maximum number of IPSG sessions.	Not Defined	Not Defined	Standard
system	sess-maxpcp	INT32	Gauge	active	The maximum number of Port Control Protocol (PCP) sessions.	Not Defined	Not Defined	Standard
system	sess-maxpcptime	STRING	Gauge	active	The timestamp for maximum number of PCP sessions.	Not Defined	Not Defined	Standard
system	sess-maxadc	INT32	Gauge	active	The maximum number of ADC sessions.	Not Defined	Not Defined	Standard
system	sess-maxadctime	STRING	Gauge	active	The timestamp for maximum number of ADC sessions.	Not Defined	Not Defined	Standard
system	sess-maxsfw	INT32	Gauge	active	The maximum number of Stateful Fire Wall (SFW) sessions.	Not Defined	Not Defined	Standard
system	sess-maxsfwtime	STRING	Gauge	active	The timestamp for maximum number of SFW sessions.	Not Defined	Not Defined	Standard
system	lic-pdsn	INT32	Incremental	active	The number of licensed PDSN sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-ha	INT32	Incremental	active	The number of licensed HA sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-ggsn	INT32	Incremental	active	The number of licensed GGSN sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-l2tplns	INT32	Incremental	active	The number of licensed L2TP LNS sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-combo-phone	INT32	Incremental	active	The number of licensed combo phone sessions supported by the system	Not Defined	Not Defined	Standard
system	lic-ecsv2	INT32	Incremental	active	The number of licensed Enhanced Charging Service version 2 sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-ipservices-gateway	INT32	Incremental	active	The number of licensed IP Services Gateway sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-evdoreva-pdsn	INT32	Incremental	active	The number of licensed EVDO rev. A PDSN sessions supported by the system.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	lic-scm-proxyregistrar-ietfrfc3261	INT32	Incremental	active	The number of licensed Session Control Manager (SCM) proxy server IETF RFC3261 sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-scm-proxypcscf	INT32	Incremental	active	The number of licensed SCM proxy Call Service Control Function (CSCF) sessions supported by the system	Not Defined	Not Defined	Standard
system	lic-scm-servingscscf	INT32	Incremental	active	The number of licensed SCM serving CSCF sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-scm-interrogatingicscf	INT32	Incremental	active	The number of licensed SCM interrogating CSCF sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-ipsg	INT32	Gauge	active	The number of IPSG Location Register sessions supported by the system.	Not Defined	Not Defined	Standard
system	lic-combo-3g4g-gw	INT32	Incremental	active	The number of licensed sessions supported for generic 3G and 4G combined subscribers by the system.	Not Defined	Not Defined	Standard
system	lic-pcp	INT32	Incremental	active	The number of Port Control Protocol call setups supported by the system.	Not Defined	Not Defined	Standard
system	lic-adc	INT32	Incremental	active	The number of ADC call setups supported by the system.	Not Defined	Not Defined	Standard
system	sess-total-curr	INT32	Gauge	active	The total number of sessions currently registered with system.	Not Defined	Not Defined	Standard
system	curr-proxy	INT32	Gauge	active	The total number of current DHCP proxy sessions.	Not Defined	Not Defined	Standard
system	curr-relay-agent	INT32	Gauge	active	The total number of current DHCP relay agent sessions.	Not Defined	Not Defined	Standard
system	dhcp-curservsess	INT32	Gauge	active	The total number of DHCP service sessions active on this system.	Not Defined	Not Defined	Standard
system	sess-total-setup	INT32	Incremental	active	The total number of DHCP setup sessions.	Not Defined	Not Defined	Standard
system	setup-proxy	INT32	Gauge	active	The total number of setup DHCP proxy sessions active on this system.	Not Defined	Not Defined	Standard
system	setup-relay-agent	INT32	Incremental	active	The total number of DHCP setup relay agent sessions.	Not Defined	Not Defined	Standard
system	dhcp-ttlservsess	INT32	Incremental	active	The total number of DHCP service sessions registered on this system.	Not Defined	Not Defined	Standard
system	total-released	INT32	Incremental	active	The total number of DHCP sessions released.	Not Defined	Not Defined	Standard
system	proxy-bearer-call-term	INT32	Incremental	active	The total number of DHCP proxy session calls terminated by bearer.	Not Defined	Not Defined	Standard
system	proxy-lease-exp-policy	INT32	Incremental	active	The total number of DHCP proxy session released due to lease expiry policy.	Not Defined	Not Defined	Standard
system	proxy-lease-renew-failure	INT32	Incremental	active	The total number of DHCP proxy session released due to lease renew failure.	Not Defined	Not Defined	Standard
system	proxy-ip-mis-match	INT32	Incremental	active	The total number of DHCP proxy session released due to IP address mis-match.	Not Defined	Not Defined	Standard
system	proxy-lease-time-mis-match	INT32	Incremental	active	The total number of DHCP proxy session released due to lease time mis-match.	Not Defined	Not Defined	Standard
system	proxy-other-reasons	INT32	Incremental	active	The total number of DHCP proxy session released due reasons not mentioned in this table.	Not Defined	Not Defined	Standard
system	relay-admin-releases	INT32	Incremental	active	The total number of DHCP relay session released due administrative reasons.	Not Defined	Not Defined	Standard
system	relay-bearer-call-term	INT32	Incremental	active	The total number of DHCP relay session calls terminated by bearer.	Not Defined	Not Defined	Standard
system	relay-lease-time-out	INT32	Incremental	active	The total number of DHCP relay session released due to lease timeout.	Not Defined	Not Defined	Standard
system	relay-other-reasons	INT32	Incremental	active	The total number of DHCP relay session released due reasons not mentioned in this table.	Not Defined	Not Defined	Standard
system	dhcp-servdisc-admin	INT32	Incremental	active	The total number of DHCP servers disconnected due administrative reasons.	Not Defined	Not Defined	Standard
system	dhcp-servdisc-callterm	INT32	Incremental	active	The total number of DHCP session calls terminated by bearer.	Not Defined	Not Defined	Standard
system	dhcp-servdisc-leasetmo	INT32	Incremental	active	The total number of DHCP session released due to lease timeout.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	dhcp-servdisc-other	INT32	Incremental	active	The total number of DHCP server sessions disconnected due to reasons other than those in this table.	Not Defined	Not Defined	Standard
system	dhcp-msg-discover-tx	INT32	Incremental	active	The total number of DHCP discover messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-discover-retransmitted	INT32	Incremental	active	The total number of DHCP discover messages retransmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-discover-rx	INT32	Incremental	active	The total number of DHCP discover messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-discover-retried-rx	INT32	Incremental	active	The total number of DHCP discover messages received after retry.	Not Defined	Not Defined	Standard
system	dhcp-msg-discover-relayed	INT32	Incremental	active	The total number of DHCP discover messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-discoverd-retried-relayed	INT32	Incremental	active	The total number of DHCP discover messages retried and relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-offer-rx	INT32	Incremental	active	The total number of DHCP offer messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-offer-discarded	INT32	Incremental	active	The total number of DHCP offer messages received and discarded.	Not Defined	Not Defined	Standard
system	dhcp-msg-offer-tx	INT32	Incremental	active	The total number of DHCP offer messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-offer-relayed	INT32	Incremental	active	The total number of DHCP offer messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-tx	INT32	Incremental	active	The total number of DHCP request messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-retransmitted	INT32	Incremental	active	The total number of DHCP request messages retransmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-rx	INT32	Incremental	active	The total number of DHCP request messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-renewal-rx	INT32	Incremental	active	The total number of DHCP request messages received for renewal.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-requesting-relayed	INT32	Incremental	active	The total number of DHCP request messages relayed while requesting.	Not Defined	Not Defined	Standard
system	dhcp-msg-request-renewing-relayed	INT32	Incremental	active	The total number of DHCP request messages relayed while renewing.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-rx	INT32	Incremental	active	The total number of DHCP Ack messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-for-inform	INT32	Incremental	active	The total number of DHCP Ack messages received for information.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-renewing-rx	INT32	Incremental	active	The total number of DHCP Ack messages for renewing received.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-tx	INT32	Incremental	active	The total number of DHCP Ack messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-renewing-tx	INT32	Incremental	active	The total number of DHCP Ack messages for renewing transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-relayed	INT32	Incremental	active	The total number of DHCP Ack messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-ack-renewing-relayed	INT32	Incremental	active	The total number of DHCP Ack messages for renewing relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-nak-rx	INT32	Incremental	active	The total number of DHCP NAck messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-nak-for-inform	INT32	Incremental	active	The total number of DHCP NAck messages received for information.	Not Defined	Not Defined	Standard
system	dhcp-msg-nak-tx	INT32	Incremental	active	The total number of DHCP NAck messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-nak-relayed	INT32	Incremental	active	The total number of DHCP NAck messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-decline-tx	INT32	Incremental	active	The total number of DHCP decline messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-decline-rx	INT32	Incremental	active	The total number of DHCP decline messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-decline-relayed	INT32	Incremental	active	The total number of DHCP decline messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-release-tx	INT32	Incremental	active	The total number of DHCP release messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-release-rx	INT32	Incremental	active	The total number of DHCP release messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-release-relayed	INT32	Incremental	active	The total number of DHCP release messages relayed.	Not Defined	Not Defined	Standard
system	dhcp-msg-release-for-relay-call	INT32	Incremental	active	The total number of DHCP release messages for relay calls.	Not Defined	Not Defined	Standard
system	dhcp-msg-inform-tx	INT32	Incremental	active	The total number of DHCP inform messages transmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-inform-retransmitted	INT32	Incremental	active	The total number of DHCP inform messages retransmitted.	Not Defined	Not Defined	Standard
system	dhcp-msg-inform-rx	INT32	Incremental	active	The total number of DHCP inform messages received.	Not Defined	Not Defined	Standard
system	dhcp-msg-inform-relayed	INT32	Incremental	active	The total number of DHCP inform messages relayed.	Not Defined	Not Defined	Standard
system	offer-dis-parse-err	INT32	Incremental	active	The total number of DHCP offer messages discarded due to parse error.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	offer-dis-lease-less-than-min	INT32	Incremental	active	The total number of DHCP offer messages discarded due to lease time was less than the minimum duration.	Not Defined	Not Defined	Standard
system	offer-dis-lease-greater-than-max	INT32	Incremental	active	The total number of DHCP offer messages discarded due to lease time was greater than the maximum duration.	Not Defined	Not Defined	Standard
system	offer-dis-ip-val-failed	INT32	Incremental	active	The total number of DHCP offer messages discarded due to IP validation failed.	Not Defined	Not Defined	Standard
system	offer-dis-xid-mis-match	INT32	Incremental	active	The total number of DHCP offer messages discarded due to exchange id mismatch.	Not Defined	Not Defined	Standard
system	ack-dis-parse-err	INT32	Incremental	active	The total number of DHCP Ack messages discarded due to parse error.	Not Defined	Not Defined	Standard
system	ack-dis-xid-mis-match	INT32	Incremental	active	The total number of DHCP Ack messages discarded due to exchange id mismatch.	Not Defined	Not Defined	Standard
system	decline-dis-ip-mis-match	INT32	Incremental	active	The total number of DHCP decline messages discarded due to IP address mismatch.	Not Defined	Not Defined	Standard
system	ip-lease-renewal	INT32	Incremental	active	The total number of DHCP IP lease renewals.	Not Defined	Not Defined	Standard
system	failed-ip-lease-renew	INT32	Incremental	active	The total number of DHCP IP lease renewals failed.	Not Defined	Not Defined	Standard
system	no-rly-from-server	INT32	Incremental	active	The total number of replies from DHCP server.	Not Defined	Not Defined	Standard
system	server-nak	INT32	Incremental	active	The total number of NAck replies from DHCP server.	Not Defined	Not Defined	Standard
system	ip-addr-mis-match	INT32	Incremental	active	The total number of IP address mis-match in DHCP session.	Not Defined	Not Defined	Standard
system	lease-mis-match	INT32	Incremental	active	The total number of lease time mis-match in DHCP session.	Not Defined	Not Defined	Standard
system	discover-dis-parse-err	INT32	Incremental	active	The total number of discover messages discarded due to a parsing error.	Not Defined	Not Defined	Standard
system	discover-dis-def-alloc-of-aaa-provided-ip-not-supported	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	discover-dis-def-ip-from-dhcp-server-not-in-aaa-ip-pool	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	request-dis-parse-err	INT32	Incremental	active	The total number of request messages discarded due to a parsing error.	Not Defined	Not Defined	Standard
system	release-dis-parse-err	INT32	Incremental	active	The total number of release messages discarded due to a parsing error.	Not Defined	Not Defined	Standard
system	storage-name	STRING	Gauge	active	Name of the Hard Disk Storage policy.	Not Defined	Not Defined	Standard
system	storage-curavail	INT64	Gauge	active	Total storage space currently remaining (in bytes).	Not Defined	Not Defined	Standard
system	storage-ttlavail	INT64	Gauge	active	Total storage capacity (in bytes).	Not Defined	Not Defined	Standard
system	fng-cursess	INT32	Gauge	active	The total number of current Femto Network Gateway (FNG) sessions.	Not Defined	Not Defined	Standard
system	fng-curactive	INT32	Gauge	active	The total number of active FNG sessions currently being facilitated by all Session Managers.	Not Defined	Not Defined	Standard
system	fng-curdormant	INT32	Gauge	active	The total number of dormant FNG sessions currently being facilitated by the FNG.	Not Defined	Not Defined	Standard
system	fng-ttlsetup	INT32	Incremental	active	The total number of FNG sessions setup on a system.	Not Defined	Not Defined	Standard
system	fng-curchildsa	INT32	Gauge	active	The total number of current FNG Child Security Associations.	Not Defined	Not Defined	Standard
system	ggsn-activedata	INT32	Gauge	active	The current number of GGSN sessions actively transmitting and receiving data packets.	Not Defined	Not Defined	Standard
system	wsg-cursess	INT32	Gauge	active	The current number of WSG (SecGW) sessions (all types).	Not Defined	Not Defined	Standard
system	wsg-curactive	INT32	Gauge	active	The current number of active WSG (SecGW) sessions.	Not Defined	Not Defined	Standard
system	wsg-curdormant	INT32	Gauge	active	The current number of dormant WSG (SecGW) sessions.	Not Defined	Not Defined	Standard
system	wsg-ttlsetup	INT32	Gauge	active	The total number of WSG (SecGW) sessions that have been setup.	Not Defined	Not Defined	Standard
system	wsg-curchildsa	INT32	Gauge	active	The current number of WSG (SecGW) Child SAs.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 1.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-30sec-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 1,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci1	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 1.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 2.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2day-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 2,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci2	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 2.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 3,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci3	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 3.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 4.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-1hr-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 4,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci4	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 4.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 5,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci5	INT32	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci5	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 5.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 6.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2min-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 6,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci6	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 6.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 7,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 7.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5day-qci7	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 7.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 8,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci8	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 8.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a QCI of 9.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-12hr-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a QCI of 9,	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci9	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a QCI of 9.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5sec-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 65 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 65 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-10sec-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 65 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 65 exceeds 10 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-30sec-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 65 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 65 exceeds 30 seconds	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-1min-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 65 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 65 exceeds 1 minute	Per Session Manager Instance	Standard
system	sess-bearerdur-2min-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 65 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 65 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-5min-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 65 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 65 exceeds 5 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-15min-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 65 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 65 exceeds 15 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-30min-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 65 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 65 exceeds 30 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-1hr-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 65 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 65 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-4hr-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 65 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 65 exceeds 4 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-12hr-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 65 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 65 exceeds 12 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-24hr-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 65 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 65 exceeds 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-over24hr-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 65 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-2day-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 65,	Increments when a bearer session with a QCI value of 65 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 65 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 65 exceeds 2 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 65 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 65 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci65	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 65.	Increments when a bearer session with a QCI value of 65 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 65 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5sec-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 66 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 66 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-10sec-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 66 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 66 exceeds 10 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-30sec-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 66 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 66 exceeds 30 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 66 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 66 exceeds 1 minute	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2min-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 66 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 66 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-5min-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 66 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 66 exceeds 5 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-15min-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 66 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 66 exceeds 15 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 66 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 66 exceeds 30 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-1hr-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 66 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 66 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-4hr-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 66 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 66 exceeds 4 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-12hr-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 66 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 66 exceeds 12 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 66 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 66 exceeds 24 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-over24hr-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 66 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-2day-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 66,	Increments when a bearer session with a QCI value of 66 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 66 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 66 exceeds 2 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 66 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 66 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci66	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 66.	Increments when a bearer session with a QCI value of 66 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 66 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5sec-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 69 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 69 exceeds 5 seconds	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-10sec-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 69 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 69 exceeds 10 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-30sec-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 69 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 69 exceeds 30 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 69 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 69 exceeds 1 minute	Per Session Manager Instance	Standard
system	sess-bearerdur-2min-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 69 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 69 exceeds 2 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5min-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 69 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 69 exceeds 5 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-15min-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 69 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 69 exceeds 15 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 69 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 69 exceeds 30 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-1hr-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 69 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 69 exceeds 1 hour	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-4hr-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 69 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 69 exceeds 4 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-12hr-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 69 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 69 exceeds 12 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 69 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 69 exceeds 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-over24hr-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 69 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2day-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 69,	Increments when a bearer session with a QCI value of 69 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 69 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 69 exceeds 2 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 69 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 69 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci69	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 69.	Increments when a bearer session with a QCI value of 69 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 69 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5sec-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 70 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-10sec-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 70 exceeds 10 seconds	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-30sec-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 70 exceeds 30 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 70 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 70 exceeds 1 minute	Per Session Manager Instance	Standard
system	sess-bearerdur-2min-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 70 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 70 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-5min-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 70 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 70 exceeds 5 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-15min-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 70 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 70 exceeds 15 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 70 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 70 exceeds 30 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-1hr-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 70 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 70 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-4hr-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 70 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 70 exceeds 4 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-12hr-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 70 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 70 exceeds 12 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 70 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 70 exceeds 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-over24hr-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 70 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-2day-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 70,	Increments when a bearer session with a QCI value of 70 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 70 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 70 exceeds 2 days	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-4day-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 70 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 70 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci70	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 70 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5sec-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 seconds and having a non-standard QCI (QoS Class Index).	Not Defined	Not Defined	Standard
system	sess-bearerdur-10sec-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 10 seconds and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30sec-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 seconds and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1min-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 minute and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2min-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 minutes and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5min-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 minutes and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-15min-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 15 minutes and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-30min-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 30 minutes and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-1hr-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 1 hour and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4hr-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 hours and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-12hr-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 12 hours and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-24hr-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 24 hours and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-over24hr-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of over 24 hours and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-2day-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 2 days and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-4day-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 4 days and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-bearerdur-5day-qci-non-std	INT32	Gauge	active	The current number of bearer sessions with a duration of 5 days and having a non-standard QCI.	Not Defined	Not Defined	Standard
system	sess-pgw-total-number-event-records	INT32	Incremental	active	The total number P-GW session event records.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gtpv2-event-records	INT32	Incremental	active	The total number of P-GW session GTPv2 event records.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-pgw-total-csr-event-records	INT32	Incremental	active	The total number of P-GW session Create Session event records.	Not Defined	Not Defined	Standard
system	sess-pgw-total-cbr-event-records	INT32	Incremental	active	The total number of P-GW session Create Bearer event records.	Not Defined	Not Defined	Standard
system	sess-pgw-total-dsr-event-records	INT32	Incremental	active	The total number of P-GW session Delete Session event records.	Not Defined	Not Defined	Standard
system	sess-pgw-total-dbr-event-records	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
system	sess-pgw-total-mbr-event-records	INT32	Incremental	active	The total number of P-GW session Modify Bearer event records.	Not Defined	Not Defined	Standard
system	sess-pgw-total-ubr-event-records	INT32	Incremental	active	The total number of P-GW session Update Bearer event records.	Not Defined	Not Defined	Standard
system	saaa-pgw-total-diam-event-records	INT32	Incremental	active	The total number of P-GW session Diameter event records.	Not Defined	Not Defined	Standard
system	aaa-pgw-total-s6b-aar-event-records	INT32	Incremental	active	The total number of P-GW session Diameter AAR (AA-Request) event records over the S6b interface.	Not Defined	Not Defined	Standard
system	aaa-pgw-total-s6b-rar-event-records	INT32	Incremental	active	The total number of P-GW session RAR (Re-Auth-Request) event records over the S6b interface.	Not Defined	Not Defined	Standard
system	aaa-pgw-total-s6b-asr-event-records	INT32	Incremental	active	The total number of P-GW session Diameter ASR (Abort-Session-Request) event records over the S6b interface.	Not Defined	Not Defined	Standard
system	aaa-pgw-total-s6b-str-event-records	INT32	Incremental	active	The total number of P-GW session Diameter STR (Session-Termination-Request) event records over the S6b interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gx-ccri-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-I (Credit Control Request-Initialization) event records over the Gx interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gx-ccrt-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-T (Credit Control Request-Termination) event records over the Gx interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gx-ccru-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-U (Credit Control Request-Update) event records over the Gx interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gx-rar-event-records	INT32	Incremental	active	The total number of P-GW session Diameter RAR event records over the Gx interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gy-ccri-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-I event records over the Gy interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gy-ccrt-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-T event records over the Gy interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gy-ccru-event-records	INT32	Incremental	active	The total number of P-GW session Diameter CCR-U event records over the Gy interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-gy-rar-event-records	INT32	Incremental	active	The total number of P-GW session Diameter RAR event records over the Gy interface.	Not Defined	Not Defined	Standard
system	sess-pgw-total-pmipv6-event-records	INT64	Incremental	active	The total number of Proxy Binding Acknowledgement and Binding Revocation Acknowledgement Event Records	Increments when a PBA/BRA message is sent	Per PGW Service	Standard
system	sess-pgw-total-pba-event-records	INT64	Incremental	active	The total number of Proxy Binding Acknowledgement Event Records	Increments when a PBA message is sent	Per PGW Service	Standard
system	sess-pgw-total-bra-event-records	INT64	Incremental	active	The total number of Binding Revocation Acknowledgement Event Records	Increments when a BRA message is sent	Per PGW Service	Standard
system	task-ipsecmgr-num	INT32	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	task-ipsecmgr-avgcpu	FLOAT	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	task-ipsecmgr-avgmem	FLOAT	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	task-ipsecmgr-maxcpu	FLOAT	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	task-ipsecmgr-maxmem	FLOAT	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
system	sess-epdg-total-number-event-records	INT64	Incremental	active	The total of number ePDG session event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-s2b-event-records	INT64	Incremental	active	The total number of ePDG session S2b(GTPv2) event records.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-epdg-total-csr-event-records	INT32	Incremental	active	The total number of ePDG session Create Session event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-cbr-event-records	INT32	Incremental	active	The total number of ePDG session Create Bearer event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-dsr-event-records	INT32	Incremental	active	The total number of ePDG session Delete Session event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-dbr-event-records	INT32	Incremental	active	The total number of ePDG session Delete Bearer event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ubr-event-records	INT32	Incremental	active	The total number of ePDG session Update Bearer event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-swu-event-records	INT64	Incremental	active	The total number of ePDG session SWu(IKEv2) event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ikev2-init-event-records	INT32	Incremental	active	The total number of ePDG session IKEv2 INIT event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ikev2-auth-event-records	INT32	Incremental	active	The total number of ePDG session IKEv2 AUTH event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ikev2-info-event-records	INT32	Incremental	active	The total number of ePDG session IKEv2 INFO event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ikev2-create-childsa-event-records	INT32	Incremental	active	The total number of ePDG session IKEv2 Create ChildSA event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ipv6-ra-event-records	INT64	Incremental	active	The total number of IPv6 Router-Adv event records.	Not Defined	Not Defined	Standard
system	sess-epdg-total-ra-prefix-event-records	INT32	Incremental	active	The total number of Router-Adv Prefix event records.	Not Defined	Not Defined	Standard
system	aaa-epdg-total-swm-aar-event-records	INT32	Incremental	active	The total number of ePDG Authorization Authentication Request (AAR) event records over the SWm interface. This statistic is customer-specific. Contact your local Cisco account representative for more information.	When Real Time Tool (RTT) system feature is enabled under ePDG service and a response to the AAR message is received by ePDG or the request timeout occurs.	Per System	Proprietary
system	aaa-epdg-total-swm-rar-event-records	INT32	Incremental	active	The total number of ePDG Re Auth Request (RAR) event records over the SWm interface. This statistic is customer-specific. Contact your local Cisco account representative for more information.	When RTT feature is enabled under ePDG service and a response to RAR message is sent by ePDG.	Per System	Proprietary
system	aaa-epdg-total-swm-asr-event-records	INT32	Incremental	active	The total number of ePDG Abort Session Request (ASR) event records over the SWm interface. This statistic is customer-specific. Contact your local Cisco account representative for more information.	When RTT feature is enabled under ePDG service and a response to ASR message is sent by ePDG.	Per System	Proprietary
system	aaa-epdg-total-swm-str-event-records	INT32	Incremental	active	The total number of ePDG Session Termination Request (STR) event records over the SWm interface. This statistic is customer-specific. Contact your local Cisco account representative for more information.	When RTT feature is enabled under ePDG service and a response to the STR message is received or the request timeout occurs.	Per System	Proprietary
system	aaa-epdg-total-swm-der-event-records	INT32	Incremental	active	The total number of ePDG Diameter EAP Request (DER) event records over the SWm interface. This statistic is customer-specific. Contact your local Cisco account representative for more information.	When RTT feature is enabled under ePDG service and a response to the DER message is received or the request timeout occurs.	Per System	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5sec-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 80 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-5sec-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 80 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-5sec-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 seconds and having a QCI (QoS Class Index) of 70.	Increments when a bearer session with a QCI value of 70 is established for a duration of 0 to 5 seconds and decrements when a bearer session with a QCI value of 70 is released with a duaration of 0 to 5 seconds or duration of establishment of a bearer session with a QCI value of 80 exceeds 5 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-10sec-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 80 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 80 exceeds 10 seconds	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-10sec-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 82 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 82 exceeds 10 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-10sec-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 10 seconds and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 5 to 10 seconds and decrements when a bearer session with a QCI value of 83 is released with a duaration of 5 to 10 seconds or duration of establishment of a bearer session with a QCI value of 83 exceeds 10 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-30sec-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 80 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 80 exceeds 30 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-30sec-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 82 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 82 exceeds 30 seconds	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-30sec-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 seconds and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 10 to 30 seconds and decrements when a bearer session with a QCI value of 83 is released with a duaration of 10 to 30 seconds or duration of establishment of a bearer session with a QCI value of 83 exceeds 30 seconds	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 80 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 80 exceeds 1 minute	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 82 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 82 exceeds 1 minute	Per Session Manager Instance	Standard
system	sess-bearerdur-1min-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 minute and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 30 seconds to 1 minute and decrements when a bearer session with a QCI value of 83 is released with a duaration of 30 seconds to 1 minute or duration of establishment of a bearer session with a QCI value of 83 exceeds 1 minute	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2min-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 80 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 80 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-2min-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 82 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 82 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-2min-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 minutes and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 1 to 2 minutes and decrements when a bearer session with a QCI value of 83 is released with a duaration of 1 to 2 minutes or duration of establishment of a bearer session with a QCI value of 83 exceeds 2 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-5min-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 80 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 80 exceeds 5 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5min-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 82 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 82 exceeds 5 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-5min-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 minutes and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 2 to 5 minutes and decrements when a bearer session with a QCI value of 83 is released with a duaration of 2 to 5 minutes or duration of establishment of a bearer session with a QCI value of 83 exceeds 5 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-15min-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 80 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 80 exceeds 15 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-15min-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 82 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 82 exceeds 15 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-15min-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 15 minutes and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 5 to 15 minutes and decrements when a bearer session with a QCI value of 83 is released with a duaration of 5 to 15 minutes or duration of establishment of a bearer session with a QCI value of 83 exceeds 15 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 80 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 80 exceeds 30 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 82 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 82 exceeds 30 minutes	Per Session Manager Instance	Standard
system	sess-bearerdur-30min-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 30 minutes and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 15 to 30 minutes and decrements when a bearer session with a QCI value of 83 is released with a duaration of 15 to 30 minutes or duration of establishment of a bearer session with a QCI value of 83 exceeds 30 minutes	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-1hr-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 80 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 80 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-1hr-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 82 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 82 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-1hr-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 1 hour and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 30 minutes to 1 hour and decrements when a bearer session with a QCI value of 83 is released with a duaration of 30 minutes to 1 hour or duration of establishment of a bearer session with a QCI value of 83 exceeds 1 hour	Per Session Manager Instance	Standard
system	sess-bearerdur-4hr-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 80 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 80 exceeds 4 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-4hr-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 82 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 82 exceeds 4 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-4hr-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 hours and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 1 to 4 hours and decrements when a bearer session with a QCI value of 83 is released with a duaration of 1 to 4 hours or duration of establishment of a bearer session with a QCI value of 83 exceeds 4 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-12hr-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 80 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 80 exceeds 12 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-12hr-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 82 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 82 exceeds 12 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-12hr-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 12 hours and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 4 to 12 hours and decrements when a bearer session with a QCI value of 83 is released with a duaration of 4 to 12 hours or duration of establishment of a bearer session with a QCI value of 83 exceeds 12 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 80 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 80 exceeds 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 82 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 82 exceeds 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-24hr-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 24 hours and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 12 to 24 hours and decrements when a bearer session with a QCI value of 83 is released with a duaration of 12 to 24 hours or duration of establishment of a bearer session with a QCI value of 83 exceeds 24 hours	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-over24hr-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 80 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-over24hr-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 82 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-over24hr-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of over 24 hours and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of more than 24 hours and decrements when a bearer session with a QCI value of 83 is released with a duaration of more than 24 hours	Per Session Manager Instance	Standard
system	sess-bearerdur-2day-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 80,	Increments when a bearer session with a QCI value of 80 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 80 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 80 exceeds 2 days	Per Session Manager Instance	Standard
system	sess-bearerdur-2day-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 82,	Increments when a bearer session with a QCI value of 82 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 82 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 82 exceeds 2 days	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-2day-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 2 days and having a QCI of 83,	Increments when a bearer session with a QCI value of 83 is established for a duration of 24 hours to 2 days and decrements when a bearer session with a QCI value of 83 is released with a duaration of 24 hours to 2 days or duration of establishment of a bearer session with a QCI value of 83 exceeds 2 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 80 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 80 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 82 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 82 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-4day-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 4 days and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 2 to 4 days and decrements when a bearer session with a QCI value of 83 is released with a duaration of 2 to 4 days or duration of establishment of a bearer session with a QCI value of 83 exceeds 4 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci80	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 80.	Increments when a bearer session with a QCI value of 80 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 80 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
system	sess-bearerdur-5day-qci82	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 82.	Increments when a bearer session with a QCI value of 82 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 82 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard
system	sess-bearerdur-5day-qci83	INT32	Gauge	active	The current number of a bearer sessions with a duration of 5 days and having a QCI of 83.	Increments when a bearer session with a QCI value of 83 is established for a duration of 4 to 5 days and decrements when a bearer session with a QCI value of 83 is released with a duaration of 4 to 5 days	Per Session Manager Instance	Standard
ppp	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the PPP service.	Configuration	Per Context	Standard
ppp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PPP service. This is an internal reference number.	Generated during System Startup	Per Context	Standard
ppp	servname	STRING	Primary-key	active	The name of the PPP service for which these statistics are being displayed.	Configuration	Per Service	Standard
ppp	svctype	STRING	Primary-key	active	Indicates the type of services running for this schema. This is for HSGW. ST16PR: 102653 (OP). It is collected at the per service level.	Generated during System Startup	Per Service	Standard
ppp	init	INT32	Incremental	active	The total number of subscriber sessions that have been received by the system for processing.	Not Defined	Not Defined	Standard
ppp	reneg	INT32	Incremental	active	The total number of subscriber sessions that have been re-negotiated by the system.	Not Defined	Not Defined	Standard
ppp	fail-reneg	INT32	Incremental	active	The total number of subscriber sessions that have failed to be re-negotiated by the system	Not Defined	Not Defined	Standard
ppp	success	INT32	Incremental	active	The total number of subscriber sessions that have been successfully connected by the system.	Not Defined	Not Defined	Standard
ppp	failed	INT32	Incremental	active	The total number of subscriber sessions that the system has/have failed to process.	Not Defined	Not Defined	Standard
ppp	released	INT32	Incremental	active	The total number of subscriber sessions that have been disconnected.	Not Defined	Not Defined	Standard
ppp	released-local	INT32	Incremental	active	The total number of subscriber sessions that have been dropped by the system.	Not Defined	Not Defined	Standard
ppp	released-remote	INT32	Incremental	active	The total number of subscriber sessions that have been dropped by the mobile nodes.	Not Defined	Not Defined	Standard
ppp	altppp-connected	INT32	Incremental	active	The total number of Alt PPP subscriber sessions that have been connected by the system.	Not Defined	Not Defined	Standard
ppp	lcp-fail-maxretry	INT32	Incremental	active	The number of sessions that were released during setup due to the system not receiving a response prior to the expiration of the maximum number of Link Control Protocol (LCP) retries.	Not Defined	Not Defined	Standard
ppp	lcp-fail-option	INT32	Incremental	active	The number of sessions that were released during setup due to failed negotiations between the system and the mobile nodes over Link Control Protocol (LCP) options.	Not Defined	Not Defined	Standard
ppp	lcp-fail-unknown	INT32	Incremental	active	The number of sessions that were released during setup due to failed LCP negotiations for unknown reasons.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp	ipcp-fail-maxretry	INT32	Incremental	active	The number of sessions that were released during setup due to the system not receiving a response prior to the expiration of the maximum number of Internet Protocol Control Protocol (IPCP) retries.	Not Defined	Not Defined	Standard
ppp	ipcp-fail-option	INT32	Incremental	active	The number of sessions that were released during setup due to failed negotiations between the system and the mobile nodes over Internet Protocol Control Protocol (IPCP) options.	Not Defined	Not Defined	Standard
ppp	ipcp-fail-unknown	INT32	Incremental	active	The number of sessions that were released during setup due to failed IPCP negotiations for unknown reasons.	Not Defined	Not Defined	Standard
ppp	ipv6cp-fail-maxretry	INT32	Incremental	active	The number of sessions that were released during setup due to the system not receiving a response prior to the expiration of the maximum number of Internet Protocol version 6 Control Protocol (IPv6CP) retries.	Not Defined	Not Defined	Standard
ppp	ipv6cp-fail-optiss	INT32	Incremental	active	The number of sessions that were released during setup due to failed negotiations between the system and the mobile nodes over Internet Protocol version 6 Control Protocol (IPv6CP) options.	Not Defined	Not Defined	Standard
ppp	ipv6cp-fail-unknown	INT32	Incremental	active	The number of sessions that were released during setup due to failed IPv6CP negotiations for unknown reasons.	Not Defined	Not Defined	Standard
ppp	fail-ccp	INT32	Incremental	active	The number Compression Control Protocol negotiation failures.	Not Defined	Not Defined	Standard
ppp	fail-auth	INT32	Incremental	active	The number of sessions that were released during setup due to subscriber authentication failures.	Not Defined	Not Defined	Standard
ppp	abort-auth	INT32	Incremental	active	The number of sessions that were released during setup due to aborted authentication processes.	Not Defined	Not Defined	Standard
ppp	rp-disc	INT32	Incremental	active	The number of sessions that were released during setup due to lower-layer disconnects.	Not Defined	Not Defined	Standard
ppp	entered-lcp	INT32	Incremental	active	The number of sessions entering or re-entering the Link Control Protocol (LCP) phase of call setup.	Not Defined	Not Defined	Standard
ppp	entered-auth	INT32	Incremental	active	The number of sessions entering or re-entering the authentication phase of call setup.	Not Defined	Not Defined	Standard
ppp	entered-ipcp	INT32	Incremental	active	The number of sessions entering or re-entering the Internet Protocol Control Protocol (IPCP) phase of call setup.	Not Defined	Not Defined	Standard
ppp	entered-ipv6cp	INT32	Incremental	active	The number of sessions entering or re-entering the Internet Protocol version 6 Control Protocol (IPv6CP) phase of call setup.	Not Defined	Not Defined	Standard
ppp	success-lcp	INT32	Incremental	active	The number of sessions for which LCP was successfully negotiated.	Not Defined	Not Defined	Standard
ppp	success-auth	INT32	Incremental	active	The number of sessions for which authentication was successful.	Not Defined	Not Defined	Standard
ppp	reneg-pdsn	INT32	Incremental	active	The number of session re-negotiations initiated by the system.	Not Defined	Not Defined	Standard
ppp	reneg-mobile	INT32	Incremental	active	The number of session re-negotiations initiated by the mobile nodes.	Not Defined	Not Defined	Standard
ppp	reneg-addrmis	INT32	Incremental	active	The number of session re-negotiations that occurred due to mis-matched IP addresses.	Not Defined	Not Defined	Standard
ppp	reneg-rp-handoff	INT32	Incremental	active	The number of session re-negotiations that occurred due to lower-layer handoffs.	Not Defined	Not Defined	Standard
ppp	reneg-update	INT32	Incremental	active	The number of session re-negotiations that occurred due to parameter updates.	Not Defined	Not Defined	Standard
ppp	reneg-other	INT32	Incremental	active	The number of session re-negotiations that occurred due to other reasons.	Not Defined	Not Defined	Standard
ppp	conn-sess-reneg	INT32	Incremental	active	Indicates the number of PPP renegotiation happened for sessions which are already in connected/established state.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp	auth-attempt-chap	INT32	Incremental	active	The number of sessions that attempted to authenticate using the Challenge Handshake Authentication Protocol (CHAP).	Not Defined	Not Defined	Standard
ppp	auth-attempt-pap	INT32	Incremental	active	The number of sessions that attempted to authenticate using the Password Authentication Protocol (PAP).	Not Defined	Not Defined	Standard
ppp	auth-attempt-mschap	INT32	Incremental	active	The number of sessions that attempted to authenticate using MicroSoft CHAP (MS CHAP).	Not Defined	Not Defined	Standard
ppp	auth-success-chap	INT32	Incremental	active	The number of sessions that successfully authenticated using the Challenge Handshake Authentication Protocol (CHAP).	Not Defined	Not Defined	Standard
ppp	auth-success-pap	INT32	Incremental	active	The number of sessions that successfully authenticated using the Password Authentication Protocol (PAP).	Not Defined	Not Defined	Standard
ppp	auth-success-mschap	INT32	Incremental	active	The number of sessions that successfully authenticated using MicroSoft CHAP (MS CHAP).	Not Defined	Not Defined	Standard
ppp	auth-fail-chap	INT32	Incremental	active	The number of sessions that failed authentication using the Challenge Handshake Authentication Protocol (CHAP).	Not Defined	Not Defined	Standard
ppp	auth-fail-pap	INT32	Incremental	active	The number of sessions that failed authentication using the Password Authentication Protocol (PAP).	Not Defined	Not Defined	Standard
ppp	auth-fail-mschap	INT32	Incremental	active	The number of sessions that failed authentication using MicroSoft CHAP (MS CHAP).	Not Defined	Not Defined	Standard
ppp	auth-abort-chap	INT32	Incremental	active	The number of sessions that aborted authentication while using the Challenge Handshake Authentication Protocol (CHAP).	Not Defined	Not Defined	Standard
ppp	auth-abort-pap	INT32	Incremental	active	The number of sessions that aborted authentication while using the Password Authentication Protocol (PAP).	Not Defined	Not Defined	Standard
ppp	auth-abort-mschap	INT32	Incremental	active	The number of sessions that aborted authentication while using MicroSoft CHAP (MS CHAP).	Not Defined	Not Defined	Standard
ppp	sess-skip-auth	INT32	Incremental	active	The number of sessions that skipped the authentication process.	Not Defined	Not Defined	Standard
ppp	comp-stac	INT32	Incremental	active	The total number of sessions that negotiated the use data compression using the STAC protocol.	Not Defined	Not Defined	Standard
ppp	comp-mppc	INT32	Incremental	active	The total number of sessions that negotiated the use data compression using the MPPC protocol.	Not Defined	Not Defined	Standard
ppp	comp-defl	INT32	Incremental	active	The total number of sessions that negotiated the use data compression using the DEFLATE protocol.	Not Defined	Not Defined	Standard
ppp	comp-sess-neg	INT32	Incremental	active	The total number of sessions that negotiated the use of data compression.	Not Defined	Not Defined	Standard
ppp	comp-sess-neg-fail	INT32	Incremental	active	The total number of sessions for which data compression negotiation failed.	Not Defined	Not Defined	Standard
ppp	rcverr-basfcs	INT32	Incremental	active	The number of packets received with an invalid Frame Check Sequence (FCS).	Not Defined	Not Defined	Standard
ppp	timeout-toplus	INT32	Incremental	active	The total number of PPP authentication requests and NCP configuration requests that timed out.	Not Defined	Not Defined	Standard
ppp	rcverr-unknproto	INT32	Incremental	active	The number of packets received with an invalid protocol type.	Not Defined	Not Defined	Standard
ppp	rcverr-badaddr	INT32	Incremental	active	The number of packets received with a bad address field.	Not Defined	Not Defined	Standard
ppp	rcverr-badctrl	INT32	Incremental	active	The number of packets received with a bad control field.	Not Defined	Not Defined	Standard
ppp	comp-vjhdr	INT32	Incremental	active	The total number of sessions that negotiated the use Van Jacobson header compression.	Not Defined	Not Defined	Standard
ppp	comp-rohchdr	INT32	Incremental	active	The total number of sessions that negotiated the use of RObust Header Compression (ROHC).	Not Defined	Not Defined	Standard
ppp	disc-lcp-remote	INT32	Incremental	active	The number of sessions for which the mobile node initiated the disconnection.	Not Defined	Not Defined	Standard
ppp	disc-rp-remote	INT32	Incremental	active	The number of sessions in which the mobile node disconnected the lower layers of the protocol stack.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp	disc-admin	INT32	Incremental	active	The number of sessions for which the system initiated the disconnection.	Not Defined	Not Defined	Standard
ppp	disc-idle-timeout	INT32	Incremental	active	The number of sessions disconnected due to exceeding their idle timeout limit.	Not Defined	Not Defined	Standard
ppp	disc-abs-timeout	INT32	Incremental	active	The number of sessions disconnected due to exceeding their absolute timeout limit.	Not Defined	Not Defined	Standard
ppp	disc-ppp-keepalive	INT32	Incremental	active	The number of sessions disconnected due to keep alive failures.	Not Defined	Not Defined	Standard
ppp	disc-no-resource	INT32	Incremental	active	The number of sessions disconnected due to lack of resources on the local side (CPU and memory).	Not Defined	Not Defined	Standard
ppp	disc-misc	INT32	Incremental	active	This statistic has been renamed to upd-discard-misc. However, this statistic name is still provided for compatibility only.	Not Defined	Not Defined	Standard
ppp	disc-rp-local	INT32	Incremental	active	The number of sessions that experienced a local disconnect at the lower-layers.	Not Defined	Not Defined	Standard
ppp	disc-add-flow-fail	INT32	Incremental	active	The number of sessions that experienced a disconnect due to a flow addition failure.	Not Defined	Not Defined	Standard
ppp	disc-maxretry-lcp	INT32	Incremental	active	The number of sessions that experienced a disconnect due to exceeding the maximum number of LCP retries.	Not Defined	Not Defined	Standard
ppp	disc-maxretry-ipcp	INT32	Incremental	active	The number of sessions that experienced a disconnect due to exceeding the maximum number of IPCP retries.	Not Defined	Not Defined	Standard
ppp	disc-max-setup-time	INT32	Incremental	active	The number of sessions that experienced a disconnect due to exceeding the maximum setup timer.	Not Defined	Not Defined	Standard
ppp	disc-bad-dest-vpn	INT32	Incremental	active	The number of sessions that experienced a disconnect due to the specification of invalid destination context.	Not Defined	Not Defined	Standard
ppp	disc-opt-neg-lcp	INT32	Incremental	active	The number of sessions that experienced a disconnect due to the failed negotiation of an LCP option.	Not Defined	Not Defined	Standard
ppp	disc-opt-neg-ipcp	INT32	Incremental	active	The number of sessions that experienced a disconnect due to the failed negotiation of an IPCP option.	Not Defined	Not Defined	Standard
ppp	disc-no-remoteaddr	INT32	Incremental	active	The number of sessions that experienced a disconnect because no remote IP address was specified.	Not Defined	Not Defined	Standard
ppp	disc-typedetect-fail	INT32	Incremental	active	The number of sessions that experienced a disconnect because the system could not identify the call type.	Not Defined	Not Defined	Standard
ppp	disc-bad-src-addr	INT32	Incremental	active	The number of sessions that experienced a disconnect due to a source address violation.	Not Defined	Not Defined	Standard
ppp	disc-ipv6cp-excretry	INT32	Incremental	active	The number of sessions that experienced a disconnect due to exceeding the maximum number of IPv6CP retries.	Not Defined	Not Defined	Standard
ppp	disc-ipv6cp-optnegfail	INT32	Incremental	active	The number of sessions that experienced a disconnect due to the failed negotiation of an IPv6CP option.	Not Defined	Not Defined	Standard
ppp	disc-remote	INT32	Incremental	active	The number of sessions that experienced a remote disconnect at the upper-layers.	Not Defined	Not Defined	Standard
ppp	disc-long-timeout	INT32	Incremental	active	The number of sessions that experienced a disconnect due to the expiration of the long-duration timer.	Not Defined	Not Defined	Standard
ppp	disc-auth-fail	INT32	Incremental	active	The number of sessions that experienced a disconnect due to PPP authentication failures.	Not Defined	Not Defined	Standard
ppp	lcpecho-req-total	INT32	Incremental	active	The total number of LCP echo request messages sent.	Not Defined	Not Defined	Standard
ppp	lcpecho-req-resent	INT32	Incremental	active	The total number of LCP echo request messages that were re-sent.	Not Defined	Not Defined	Standard
ppp	lcpecho-rep-recved	INT32	Incremental	active	The total number of LCP echo reply messages received.	Not Defined	Not Defined	Standard
ppp	lcpecho-timeout	INT32	Incremental	active	The total number of LCP echo request messages that timed-out prior to the system\\'s receiving a response.	Not Defined	Not Defined	Standard
ppp	recverr-ctrl-field	INT32	Incremental	active	The total number of bad control field errors experienced in received packets.	Not Defined	Not Defined	Standard
ppp	recverr-bad-length	INT32	Incremental	active	The total number of bad packet length errors experienced in received packets.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp	remote-term	INT32	Incremental	active	The number of sessions for which termination was initiated from the remote (mobile) side.	Not Defined	Not Defined	Standard
ppp	misc-fail	INT32	Incremental	active	The number of session failures that occurred due to reasons other than those listed by the other variables.	Not Defined	Not Defined	Standard
ppp	in-oct	INT64	Incremental	active	The number of inbound octets received.	Not Defined	Not Defined	Standard
ppp	in-ucast	INT32	Incremental	active	The number of inbound unicast packets received.	Not Defined	Not Defined	Standard
ppp	in-nucast	INT32	Incremental	active	The number of inbound non-unicast (multicast or broadcast) packets received.	Not Defined	Not Defined	Standard
ppp	in-pkt	INT32	Incremental	active	The number of inbound packets that were received.	Not Defined	Not Defined	Standard
ppp	in-discard	INT32	Incremental	active	The number of inbound packets that were discarded.	Not Defined	Not Defined	Standard
ppp	in-discard-oct	INT32	Incremental	active	The number of inbound octets that were discarded.	Not Defined	Not Defined	Standard
ppp	out-oct	INT64	Incremental	active	The number of outbound octets transmitted.	Not Defined	Not Defined	Standard
ppp	out-ucast	INT32	Incremental	active	The number of outbound unicast packets transmitted.	Not Defined	Not Defined	Standard
ppp	out-nucast	INT32	Incremental	active	The number of outbound non-unicast (multicast or broadcast) packets transmitted.	Not Defined	Not Defined	Standard
ppp	out-pkt	INT32	Incremental	active	The number of outbound packets that were transmitted.	Not Defined	Not Defined	Standard
ppp	out-discard	INT32	Incremental	active	The number of outbound packets that were discarded.	Not Defined	Not Defined	Standard
ppp	out-discard-oct	INT32	Incremental	active	The number of outbound octets that were discarded.	Not Defined	Not Defined	Standard
ppp	num-sessions	INT32	Incremental	active	The current total number of RP sessions	Not Defined	Not Defined	Standard
ppp	eap-authattempt	INT32	Incremental	active	The total number of EAP authentication attempt done on the HSGW. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	eap-authsuccess	INT32	Incremental	active	The total number of EAP authentication attempt done on the HSGW and was successful. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	eap-authfail	INT32	Incremental	active	The total number of EAP authentication attempt done on the HSGW and was unsuccessful. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	eap-authabort	INT32	Incremental	active	The total number of EAP authentication procedures attempted on the HSGW but aborted due to any reason. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-attempt	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) connection attempted on the HSGW. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-conn	INT32	Incremental	active	The total number of vendor Specific Network Control Protocol (VSNCP) connected to the HSGW. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-fail	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) connections attempted but failed to the HSGW. This is collected at HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-rellocal	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) connections released locally by the HSGW. This is collected at HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-relremote	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) connections released remotely by peer. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-gen	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors - general. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-unauthapn	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to an unauthorized APN. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-pdnlimit	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to a PDN limitation. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp	vsncp-err-nopdngw	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to not locating the P-GW. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-pdngwunreach	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to an unreachable P-GW. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-pdngwrej	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to P-GW reject. This is collected at the HSGW service level	Incremented when P-GW Rejects	Per HSGW Service	Standard
ppp	vsncp-err-insufparam	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to insufficient parameters. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-resunava	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to unavailable resources. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-admpro	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to administrator prohibited. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-pdniduse	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due the PDN being already in use. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-sublimit	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to a subscriber limit. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-err-pdnexist	INT32	Incremental	active	The total number of Vendor Specific Network Control Protocol (VSNCP) errors due to the PDN not existing. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-fail-maxretry	INT32	Incremental	active	Total number of Vendor Specific Network Control Protocol (VSNCP) connection failed as maximum retry limit for connection setup exhausted. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-fail-optiss	INT32	Incremental	active	Total number of Vendor Specific Network Control Protocol (VSNCP) connection failed due to failure option as ISS. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	vsncp-fail-unk	INT32	Incremental	active	Total number of Vendor Specific Network Control Protocol (VSNCP) connection failed due to unknown failure option. This is collected at the HSGW service level.	Not Defined	Not Defined	Standard
ppp	lcpvse-req-total	INT32	Incremental	active	The total number of LCP vendor specific extension request messages sent to mobile stations to update the inactivity timer in conjunction with the always on feature.	Not Defined	Not Defined	Standard
ppp	lcpvse-req-resent	INT32	Incremental	active	The total number of LCP vendor specific extension request messages retransmitted to mobile stations to update the inactivity timer in conjunction with the always on feature.	Not Defined	Not Defined	Standard
ppp	lcpvse-rep-recved	INT32	Incremental	active	The total number of responses to LCP vendor specific extension replies received from mobile stations as part of the inactivity timer update process in conjunction with the always on feature.	Not Defined	Not Defined	Standard
ppp	lcpvse-proto-reject	INT32	Incremental	active	The total number protocol reject responses received for LCP vendor specific extension request messages sent to mobile stations to update the inactivity timer in conjunction with the always on feature.	Not Defined	Not Defined	Standard
ppp	lcpvse-req-maxreach	INT32	Incremental	active	The total number of max retransmissions reached for LCP vendor specific extension request messages sent to mobile stations to update the inactivity timer in conjunction with the always on feature.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
mipfa	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MIPFA service. This is an internal reference number.	Configuration	Per Context	Standard
mipfa	servname	STRING	Primary-key	active	The name of the MIPFA service for which these statistics are being displayed.	Configuration	Per Service	Standard
mipfa	advert-send	INT32	Incremental	active	The total number of agent advertisement messages sent to the subscriber\\'s mobile node.	Not Defined	Not Defined	Standard
mipfa	disc-expiry	INT32	Incremental	active	The total number of sessions that were disconnected due to the expiration of their lifetime setting.	Not Defined	Not Defined	Standard
mipfa	disc-dereg	INT32	Incremental	active	The total number of sessions that were disconnected due to de-registrations.	Not Defined	Not Defined	Standard
mipfa	disc-admin	INT32	Incremental	active	The number of sessions for which the system initiated the disconnection.	Not Defined	Not Defined	Standard
mipfa	auth-attempt	INT32	Incremental	active	The total number of authentication attempts made.	Not Defined	Not Defined	Standard
mipfa	auth-success	INT32	Incremental	active	The total number of authentication attempts that were successful.	Not Defined	Not Defined	Standard
mipfa	auth-failure	INT32	Incremental	active	The total number of authentication attempts that were unsuccessful.	Not Defined	Not Defined	Standard
mipfa	recv-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipfa	recv-initial	INT32	Incremental	active	The total number of initial registration requests received.	Not Defined	Not Defined	Standard
mipfa	recv-renewal	INT32	Incremental	active	The total number of renewal registration requests received.	Not Defined	Not Defined	Standard
mipfa	recv-dereg	INT32	Incremental	active	The total number of de-registration request renewals received.	Not Defined	Not Defined	Standard
mipfa	accept-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipfa	accept-initial	INT32	Incremental	active	The total number of initial registration requests received and accepted.	Not Defined	Not Defined	Standard
mipfa	accept-renewal	INT32	Incremental	active	The total number of renewal registration requests accepted.	Not Defined	Not Defined	Standard
mipfa	accept-dereg	INT32	Incremental	active	The total number of de-registration requests received and accepted.	Not Defined	Not Defined	Standard
mipfa	denied-total	INT32	Incremental	active	The total number of registration requests that have been rejected.	Not Defined	Not Defined	Standard
mipfa	denied-initial	INT32	Incremental	active	The total number of initial registration requests received and rejected.	Not Defined	Not Defined	Standard
mipfa	denied-renewal	INT32	Incremental	active	The total number of renewal registration requests denied.	Not Defined	Not Defined	Standard
mipfa	denied-dereg	INT32	Incremental	active	The total number of de-registration request renewals received and rejected.	Not Defined	Not Defined	Standard
mipfa	discard-total	INT32	Incremental	active	The total number of registration requests that have been discarded.	Not Defined	Not Defined	Standard
mipfa	discard-initial	INT32	Incremental	active	The total number of Initial RRQ discarded.	Not Defined	Not Defined	Standard
mipfa	discard-renewal	INT32	Incremental	active	The total number of renewal registration requests discarded.	Not Defined	Not Defined	Standard
mipfa	discard-dereg	INT32	Incremental	active	The the total number of de-registration requests received and discarded.	Not Defined	Not Defined	Standard
mipfa	relayed-total	INT32	Incremental	active	The total number of registration requests that have been relayed.	Not Defined	Not Defined	Standard
mipfa	relayed-initial	INT32	Incremental	active	The total number of initial registration requests relayed.	Not Defined	Not Defined	Standard
mipfa	relayed-renewal	INT32	Incremental	active	The total number of renewal registration requests relayed.	Not Defined	Not Defined	Standard
mipfa	relayed-dereg	INT32	Incremental	active	The total number of requests for de-registration relayed.	Not Defined	Not Defined	Standard
mipfa	authfail-total	INT32	Incremental	active	The total number of registration requests that failed authentication.	Not Defined	Not Defined	Standard
mipfa	authfail-initial	INT32	Incremental	active	The total number of initial registration requests that failed authentication.	Not Defined	Not Defined	Standard
mipfa	authfail-renewal	INT32	Incremental	active	The total number of renewal registration requests that failed authentication.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	authfail-dereg	INT32	Incremental	active	The total number of requests for de-registration that failed authentication.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-total	INT32	Incremental	active	The total number of registration requests that have been denied by the Packet Data Service Node/Foreign Agent (PDSNFA). Reasons for a PDSN/FA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-initial	INT32	Incremental	active	The total number of initial registration requests that were denied by the PDSN/FA. Reasons for a PDSN/FA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-renewal	INT32	Incremental	active	The total number of renewal registration requests denied by the PDSN/FA. Reasons for a PDSN/FA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-dereg	INT32	Incremental	active	The total number of requests for de-registration that were denied by the PDSN/FA. Reasons for a PDSN/FA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-ha-total	INT32	Incremental	active	The total number of registration requests that have been denied by the Home Agent (HA). Reasons for a HA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-ha-initial	INT32	Incremental	active	The total number of initial registration requests denied by the HA. Reasons for a HA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-ha-renewal	INT32	Incremental	active	The total number of renewal registration requests denied by the HA. Reasons for a HA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-ha-dereg	INT32	Incremental	active	The total number of requests for de-registration that were denied by the HA. Reasons for a HA denial are described later in this table.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-unspec	INT32	Incremental	active	The total number of registration requests for which an FA reply code of 40H (Registration Denied - reason unspecified) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-timeout	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4EH (Registration Denied - registration timeout) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-admin	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 41H (Registration Denied- administratively prohibited) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-resource	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 42H (Registration Denied - insufficient resources) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-mnauth	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 43H (Registration Denied - mobile node failed authentication) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-haauth	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 44H (Registration Denied - home agent authentication failure) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-lifetoolong	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 45H (Registration Denied - requested lifetime too long) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-badreq	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 46H (Registration Denied- administratively prohibited) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-badreply	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 47H (Registration Denied - poorly formed reply) was sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	denied-pdsn-missnai	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 61H (Registration Denied - missing NAI) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-misshomeagent	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 62H (Registration Denied - missing home agent) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-misshomeaddr	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-unkchallange	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-unkchallenge	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 68H (Registration Denied - unknown challenge) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-misschallenge	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 69H (Registration Denied - missing challenge) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-stalechallenge	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 6AH (Registration Denied - stale challenge) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-mntoodistant	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4CH (Registration Denied - reverse tunneling mobile node too distant) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-styleunavail	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4FH (Registration Denied - reverse tunneling delivery style unavailable) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-hanetunreach	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 50H (Registration Denied - home network unreachable (ICMP error received)) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-hahostunreach	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 51H (Registration Denied - home agent host unreachable (ICMP error received)) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-haportunreach	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 52H (Registration Denied - home agent port unreachable (ICMP error received)) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-haunreach	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 58H (Registration Denied - home agent unreachable (other ICMP error received)) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-invcoa	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4DH (Registration Denied - invalid care-of address) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-encapunavail	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 48H (Registration Denied - requested encapsulation unavailable) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-revtununavail	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4AH (Registration Denied - requested reverse tunnel unavailable) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-revtunmand	INT32	Incremental	active	The total number of registration requests for which a FA reply code of 4BH (Registration Denied - reverse tunnel is mandatory and \\'T\\' bit not set) was sent.	Not Defined	Not Defined	Standard
mipfa	denied-pdsn-unknowncvse	INT32	Incremental	active	The total number of registration requests for which a PDSN reply code of 8DH (Registration Denied - unsupported vendor ID or unable to interpret data in the CVSE) was received.	Not Defined	Not Defined	Standard
mipfa	denied-ha-faauth	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 84H (Registration Denied - foreign agent failed authentication) was received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	denied-ha-badreq	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 86H (Registration Denied - poorly formed request) was received.	Not Defined	Not Defined	Standard
mipfa	denied-ha-mismatchid	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 85H (Registration Denied - registration Identification mismatch) was received.	Not Defined	Not Defined	Standard
mipfa	denied-ha-simulbind	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 87H (Registration Denied - too many simultaneous mobility bindings) was received.	Not Defined	Not Defined	Standard
mipfa	denied-ha-unknownha	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 88H (Registration Denied - unknown home agent address) was received.	Not Defined	Not Defined	Standard
mipfa	denied-ha-revtununavail	INT32	Incremental	active	The total number of registration requests for which a HA reply code of 89H (Registration Denied - reverse tunneling unavailable) was received.	Not Defined	Not Defined	Standard
mipfa	replyrcv-total	INT32	Incremental	active	The total number of registration replies received. This total includes initial, renewal and de-registration registration replies.	Not Defined	Not Defined	Standard
mipfa	replyrcv-totalrelayed	INT32	Incremental	active	The total number of registration replies relayed. This total includes initial, renewal and de-registration registration replies.	Not Defined	Not Defined	Standard
mipfa	replyrcv-errors	INT32	Incremental	active	The total number of registration replies that contained errors.	Not Defined	Not Defined	Standard
mipfa	replyrcv-initial	INT32	Incremental	active	The total number of initial registration replies received.	Not Defined	Not Defined	Standard
mipfa	replyrcv-initialrelayed	INT32	Incremental	active	The total number of initial registration replies relayed.	Not Defined	Not Defined	Standard
mipfa	replyrcv-renewal	INT32	Incremental	active	The total number of renewal registration replies received.	Not Defined	Not Defined	Standard
mipfa	replyrcv-renewalrelayed	INT32	Incremental	active	The total number of renewal registration replies relayed.	Not Defined	Not Defined	Standard
mipfa	replyrcv-dereg	INT32	Incremental	active	The total number of replies for de-registration received.	Not Defined	Not Defined	Standard
mipfa	replyrcv-deregrelayed	INT32	Incremental	active	The total number of replies for de-registration relayed.	Not Defined	Not Defined	Standard
mipfa	replyrcv-with-dyn-ha	INT32	Incremental	active	Dynamic-ha feature can be enabled and disabled using CLI. If it is enabled, or duplicate requests are received, this counter is incremented and shows the total number of replies received with dynamic-ha	Not Defined	Not Defined	Standard
mipfa	denied-reply-with-dyn-ha	INT32	Incremental	active	Dynamic-ha feature can be enabled and disabled using CLI. If it is disabled, this counter is incremented and shows the total number of denied replies.	Not Defined	Not Defined	Standard
mipfa	reqsent-initial	INT32	Incremental	active	The total number of initial FA registration requests sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-initial-resend	INT32	Incremental	active	The total number of initial FA registration requests re-sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-initial-noresend	INT32	Incremental	active	The total number of initial FA registration requests that were not re-sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-renew	INT32	Incremental	active	The total number of FA registration renewal requests that were sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-renew-resend	INT32	Incremental	active	The total number of FA registration renewal requests that were re-sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-renew-noresend	INT32	Incremental	active	The total number of FA registration renewal requests that were not re-sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-dereg	INT32	Incremental	active	The total number of FA de-registration requests that were sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-dereg-resend	INT32	Incremental	active	The total number of FA de-registration requests that were re-sent.	Not Defined	Not Defined	Standard
mipfa	reqsent-dereg-noresend	INT32	Incremental	active	The total number of FA de-registration requests that were not re-sent.	Not Defined	Not Defined	Standard
mipfa	replysent-total	INT32	Incremental	active	The total number of registration replies sent.	Not Defined	Not Defined	Standard
mipfa	replysent-acceptreg	INT32	Incremental	active	The total number of successful registration replies sent.	Not Defined	Not Defined	Standard
mipfa	replysent-acceptdereg	INT32	Incremental	active	The total number of successful de-registration replies sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	replysent-badreq	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 46H (Registration Denied - poorly formed reply).	Not Defined	Not Defined	Standard
mipfa	replysent-badreply	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 47H (Registration Denied - poorly formed reply).	Not Defined	Not Defined	Standard
mipfa	replysent-unspecified	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 40H (Registration Denied - reason unspecified).	Not Defined	Not Defined	Standard
mipfa	replysent-adminprohib	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 41H (Registration Denied - administratively prohibited).	Not Defined	Not Defined	Standard
mipfa	replysent-noresources	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 42H (Registration Denied - insufficient resources).	Not Defined	Not Defined	Standard
mipfa	replysent-mnauthfail	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 43H (Registration Denied - mobile node failed authentication).	Not Defined	Not Defined	Standard
mipfa	replysent-haauthfail	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 44H (Registration Denied - home agent failed authentication).	Not Defined	Not Defined	Standard
mipfa	replysent-lifetoolong	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 45H (Registration Denied - requested lifetime too long).	Not Defined	Not Defined	Standard
mipfa	replysent-revtununavail	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 4AH (Registration Denied - reverse tunneling unavailable).	Not Defined	Not Defined	Standard
mipfa	replysent-revtunmand	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 4BH (Registration Denied - reverse tunneling mandatory).	Not Defined	Not Defined	Standard
mipfa	replysent-delstyleunavail	INT32	Incremental	active	The total number of registration replies that were sent with a reply code of 4FH (Registration Denied - reverse tunneling delivery style unavailable).	Not Defined	Not Defined	Standard
mipfa	replysent-mntoodistant	INT32	Incremental	active	The total number of registration replies sent with a reply code of 4CH (Registration Denied - reverse tunneling mobile node too distant).	Not Defined	Not Defined	Standard
mipfa	replysent-invcoa	INT32	Incremental	active	The total number of registration replies sent with a reply code of 4DH (Registration Denied - invalid care-of address).	Not Defined	Not Defined	Standard
mipfa	replysent-regtimeout	INT32	Incremental	active	The total number of registration replies sent with a reply code of 4EH (Registration Denied - registration timeout).	Not Defined	Not Defined	Standard
mipfa	replysent-hanetunreach	INT32	Incremental	active	The total number of registration requests sent with an FA reply code of 50H (Registration Denied - home network unreachable (ICMP error received)).	Not Defined	Not Defined	Standard
mipfa	replysent-hahostunreach	INT32	Incremental	active	The total number of registration requests sent with an FA reply code of 51H (Registration Denied - home agent host unreachable (ICMP error received)).	Not Defined	Not Defined	Standard
mipfa	replysent-haportunreach	INT32	Incremental	active	The total number of registration requests sent with an FA reply code of 52H (Registration Denied - home agent port unreachable (ICMP error received)).	Not Defined	Not Defined	Standard
mipfa	replysent-haunreach	INT32	Incremental	active	The total number of registration requests sent with an FA reply code of 58H (Registration Denied - home agent unreachable (other ICMP error received)).	Not Defined	Not Defined	Standard
mipfa	replysent-missnai	INT32	Incremental	active	The total number of registration replies sent with a reply code of 61H (Registration Denied - missing NAI).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipfa	replysent-misshomeagent	INT32	Incremental	active	The total number of registration replies sent with a reply code of 62H (Registration Denied - missing home agent).	Not Defined	Not Defined	Standard
mipfa	replysent-misshomeaddr	INT32	Incremental	active	The total number of registration replies sent with a reply code of 60H (Registration Denied - missing home address).	Not Defined	Not Defined	Standard
mipfa	replysent-unkchallenge	INT32	Incremental	active	The total number of registration replies sent with a reply code of 68H (Registration Denied - unknown challenge).	Not Defined	Not Defined	Standard
mipfa	replysent-misschallenge	INT32	Incremental	active	The total number of registration replies sent with a reply code of 69H (Registration Denied - missing challenge).	Not Defined	Not Defined	Standard
mipfa	replysent-stalechallenge	INT32	Incremental	active	The total number of registration replies sent with a reply code of 6AH (Registration Denied - challenge).	Not Defined	Not Defined	Standard
mipfa	replysent-senderrors	INT32	Incremental	active	The total number of errors that occurred while sending replies.	Not Defined	Not Defined	Standard
mipfa	ttlprepaid	INT32	Incremental	active	The total number of Prepaid calls facilitated by the service.	Not Defined	Not Defined	Standard
mipfa	curprepaid	INT32	Gauge	active	The total number of Prepaid calls currently being facilitated by the service.	Not Defined	Not Defined	Standard
mipfa	ttlonlineauthsucc	INT32	Incremental	active	The total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
mipfa	ttlonlineauthfail	INT32	Incremental	active	TThe total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
mipfa	revoc-sent	INT32	Incremental	active	The total number of HA registration revocations sent.	Not Defined	Not Defined	Standard
mipfa	revoc-retry-sent	INT32	Incremental	active	The total number of HA registration revocation messages the system attempted to re-send.	Not Defined	Not Defined	Standard
mipfa	revoc-ack-recv	INT32	Incremental	active	The total number of HA registration revocation acknowledgement messages received.	Not Defined	Not Defined	Standard
mipfa	revoc-timeout	INT32	Incremental	active	The total number of timeouts that occurred during HA registration revocations.	Not Defined	Not Defined	Standard
mipfa	revoc-recv	INT32	Incremental	active	The total number of HA registration revocations received	Not Defined	Not Defined	Standard
mipfa	revoc-ack-sent	INT32	Incremental	active	The total number of The total number of HA registration revocation acknowledgement messages sent.	Not Defined	Not Defined	Standard
mipha	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
mipha	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MIPHA service. This is an internal reference number.	Generated during System Startup	Per Context	Standard
mipha	servname	STRING	Primary-key	active	The name of the HA service for which these statistics are being displayed.	Configuration	Per Service	Standard
mipha	disconnects	INT32	Incremental	active	The total number of sessions that were disconnected.	Not Defined	Not Defined	Standard
mipha	num-sessions	INT32	Gauge	active	The current total number of RP sessions	Not Defined	Not Defined	Standard
mipha	revoc-sent	INT32	Incremental	active	The total number of HA registration revocations sent.	Not Defined	Not Defined	Standard
mipha	revoc-retry-sent	INT32	Incremental	active	The total number of HA registration revocation messages the system attempted to re-send.	Not Defined	Not Defined	Standard
mipha	revoc-ack-recv	INT32	Incremental	active	The total number of HA registration revocation acknowledgement messages received.	Not Defined	Not Defined	Standard
mipha	revoc-timeout	INT32	Incremental	active	The total number of timeouts that occurred during HA registration revocations.	Not Defined	Not Defined	Standard
mipha	revoc-recv	INT32	Incremental	active	The total number of HA registration revocations received	Not Defined	Not Defined	Standard
mipha	revoc-ack-sent	INT32	Incremental	active	The total number of The total number of HA registration revocation acknowledgement messages sent.	Not Defined	Not Defined	Standard
mipha	expiry	INT32	Incremental	active	The total number of sessions that were disconnected due to the expiration of their lifetime setting.	Not Defined	Not Defined	Standard
mipha	dereg	INT32	Incremental	active	The total number of sessions that were disconnected due to de-registrations.	Not Defined	Not Defined	Standard
mipha	admindrop	INT32	Incremental	active	The total number of sessions that were disconnected due to an administrative clearing of calls (i.e. executing the clear subscriber command).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipha	miscerror	INT32	Incremental	active	The total number of sessions that were disconnected due to miscellaneous errors.	Not Defined	Not Defined	Standard
mipha	farevocation	INT32	Incremental	active	The total number of FA revocations that occurred.	Not Defined	Not Defined	Standard
mipha	auth-attempt	INT32	Incremental	active	The total number of authentication attempts made.	Not Defined	Not Defined	Standard
mipha	auth-failure	INT32	Incremental	active	The total number of authentication attempts that were unsuccessful.	Not Defined	Not Defined	Standard
mipha	auth-success	INT32	Incremental	active	The total number of authentication attempts that were successful.	Not Defined	Not Defined	Standard
mipha	auth-real-failure	INT32	Incremental	active	The total number of authentication attempts that were unsuccessful due to the receipt of an access reject message from the AAA server.	Not Defined	Not Defined	Standard
mipha	auth-misc-failure	INT32	Incremental	active	The total number of authentication attempts that were unsuccessful due to occurrences other than the receipt of an access reject messages (i.e. AAA server timeout or internal errors).	Not Defined	Not Defined	Standard
mipha	recv-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipha	recv-initial	INT32	Incremental	active	The total number of initial registration requests received.	Not Defined	Not Defined	Standard
mipha	recv-renew	INT32	Incremental	active	The total number of registration request renewals received.	Not Defined	Not Defined	Standard
mipha	recv-dereg	INT32	Incremental	active	The total number of de-registration request renewals received.	Not Defined	Not Defined	Standard
mipha	recv-ho	INT32	Incremental	active	The total number of handoff requests received	Not Defined	Not Defined	Standard
mipha	recv-ho-3g3g	INT32	Incremental	active	3GPP2 to 3GPP2 Handoff Requests received	Not Defined	Not Defined	Standard
mipha	recv-ho-3gwi	INT32	Incremental	active	3GPP2 to WiMax Handoff Requests received	Not Defined	Not Defined	Standard
mipha	recv-ho-wi3g	INT32	Incremental	active	Wimax to 3GPP2 Handoff Requests Received	Not Defined	Not Defined	Standard
mipha	recv-ho-wiwi	INT32	Incremental	active	Wimax to Wimax Handoff Requests Received	Not Defined	Not Defined	Standard
mipha	accept-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipha	accept-reg	INT32	Incremental	active	The total number of initial registration requests accepted.	Not Defined	Not Defined	Standard
mipha	accept-renew	INT32	Incremental	active	The total number of registration request renewals received and accepted.	Not Defined	Not Defined	Standard
mipha	accept-dereg	INT32	Incremental	active	The total number of de-registration requests received and accepted.	Not Defined	Not Defined	Standard
mipha	accept-ho	INT32	Incremental	active	The total number of handoff registration requests accepted.	Not Defined	Not Defined	Standard
mipha	accept-ho-3g3g	INT32	Incremental	active	3GPP2 to 3GPP2 Handoff Requests accepted	Not Defined	Not Defined	Standard
mipha	accept-ho-3gwi	INT32	Incremental	active	3GPP2 to WiMax Handoff Requests accepted	Not Defined	Not Defined	Standard
mipha	accept-ho-wi3g	INT32	Incremental	active	Wimax to 3GPP2 Handoff Requests accepted	Not Defined	Not Defined	Standard
mipha	accept-ho-wiwi	INT32	Incremental	active	Wimax to Wimax Handoff Requests accepted	Not Defined	Not Defined	Standard
mipha	denied-total	INT32	Incremental	active	The total number of registration requests that have been rejected.	Not Defined	Not Defined	Standard
mipha	denied-initial	INT32	Incremental	active	The total number of initial registration requests received and rejected.	Not Defined	Not Defined	Standard
mipha	denied-renew	INT32	Incremental	active	The total number of registration request renewals received and rejected.	Not Defined	Not Defined	Standard
mipha	denied-dereg	INT32	Incremental	active	The total number of de-registration request renewals received and rejected.	Not Defined	Not Defined	Standard
mipha	denied-ho	INT32	Incremental	active	The total number of handoff registration requests denied.	Not Defined	Not Defined	Standard
mipha	denied-ho-3g3g	INT32	Incremental	active	3GPP2 to 3GPP2 Handoff Requests denied	Not Defined	Not Defined	Standard
mipha	denied-ho-3gwi	INT32	Incremental	active	3GPP2 to WiMax Handoff Requests denied	Not Defined	Not Defined	Standard
mipha	denied-ho-wi3g	INT32	Incremental	active	Wimax to 3GPP2 Handoff Requests denied	Not Defined	Not Defined	Standard
mipha	denied-ho-wiwi	INT32	Incremental	active	Wimax to Wimax Handoff Requests denied	Not Defined	Not Defined	Standard
mipha	discard-total	INT32	Incremental	active	The total number of registration requests that have been discarded.	Not Defined	Not Defined	Standard
mipha	reply-total	INT32	Incremental	active	The total number of registration replies sent.	Not Defined	Not Defined	Standard
mipha	reply-acceptreg	INT32	Incremental	active	The total number of successful registration replies sent.	Not Defined	Not Defined	Standard
mipha	reply-acceptdereg	INT32	Incremental	active	The total number of successful de-registration replies sent.	Not Defined	Not Defined	Standard
mipha	reply-denied	INT32	Incremental	active	The total number of denied registration replies sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipha	reply-badreq	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 86H (Registration Denied - poorly formed request).	Not Defined	Not Defined	Standard
mipha	reply-mismatchid	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 85H (Registration Denied - registration identification mismatch).	Not Defined	Not Defined	Standard
mipha	reply-adminprohib	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 81H (Registration Denied - administratively prohibited).	Not Defined	Not Defined	Standard
mipha	reply-unspecerr	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 80H (Registration Denied - reason unspecified).	Not Defined	Not Defined	Standard
mipha	reply-noresource	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 82H (Registration Denied - insufficient resources).	Not Defined	Not Defined	Standard
mipha	reply-mnauthfail	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 83H (Registration Denied - mobile node failed authentication).	Not Defined	Not Defined	Standard
mipha	reply-faauthfail	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 84H (Registration Denied - home agent failed authentication).	Not Defined	Not Defined	Standard
mipha	reply-simulbind	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 87H (Registration Denied - too many simultaneous mobility bindings).	Not Defined	Not Defined	Standard
mipha	reply-unknownha	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 88H (Registration Denied - unknown home agent address).	Not Defined	Not Defined	Standard
mipha	reply-revtununavail	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 89H (Registration Denied - reverse tunneling unavailable).	Not Defined	Not Defined	Standard
mipha	reply-revtunmand	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 8AH (Registration Denied - reverse tunneling mandatory).	Not Defined	Not Defined	Standard
mipha	reply-encapunavail	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 8BH (Registration Denied - reverse tunneling encapsulation style unavailable).	Not Defined	Not Defined	Standard
mipha	reply-senderror	INT32	Incremental	active	The total number of errors that occurred while sending replies.	Not Defined	Not Defined	Standard
mipha	reply-unknowncvse	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 8DH (Registration Denied - unsupported Vendor-ID or unable to interpret Vendor-CVSE-Type.).	Not Defined	Not Defined	Standard
mipha	reply-udp-encapunavail	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 8EH (Registration Denied - ERROR_HA_UDP-ENCAP_UNAVAIL).	Not Defined	Not Defined	Standard
mipha	reply-error	INT32	Incremental	active	The total number of reply errors that occurred.	Not Defined	Not Defined	Standard
mipha	reply-cong-drop	INT32	Incremental	active	The total number of registration replies discarded due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard
mipha	reply-cong-adminprohib	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 81H (Registration Denied - administratively prohibited) due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipha	reply-cong-unknownha	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 88H (Registration Denied - unknown home agent address) due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard
mipha	ttlprepaid	INT32	Incremental	active	The total number of Prepaid calls facilitated by the service.	Not Defined	Not Defined	Standard
mipha	curprepaid	INT32	Gauge	active	The total number of Prepaid calls currently being facilitated by the service.	Not Defined	Not Defined	Standard
mipha	ttlonlineauthsucc	INT32	Incremental	active	The total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
mipha	ttlonlineauthfail	INT32	Incremental	active	TThe total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
mipha	paaa-query-total	INT32	Incremental	active	The total number of Binding Context requests received from the proxy-AAA server.	Not Defined	Not Defined	Standard
mipha	paaa-query-accept	INT32	Incremental	active	The total number of Binding Context requests received from the proxy-AAA server that were accepted.	Not Defined	Not Defined	Standard
mipha	paaa-query-denied	INT32	Incremental	active	The total number of Binding Context requests from the proxy-AAA server that were denied.	Not Defined	Not Defined	Standard
mipha	paaa-resp-sent	INT32	Incremental	active	The total number of Binding Context responses that were sent to the proxy-AAA server.	Not Defined	Not Defined	Standard
mipha	paaa-resp-found	INT32	Incremental	active	The total number of Binding Context responses that were sent to the proxy-AAA server that indicated that the requested binding context was found.	Not Defined	Not Defined	Standard
mipha	paaa-resp-notfound	INT32	Incremental	active	The total number of Binding Context responses that were sent to the proxy-AAA server that indicated that the requested binding context was found.	Not Defined	Not Defined	Standard
mipha	paaa-resp-poolover	INT32	Incremental	active	The total number of Binding Context responses that were sent to the proxy-AAA server that indicated that there is an IP Pool overflow condition for the requested binding context.	Not Defined	Not Defined	Standard
mipha	paaa-resp-misc	INT32	Incremental	active	The total number of Binding Context responses that were sent to the proxy-AAA server that indicated other miscellaneous errors for the requested binding context.	Not Defined	Not Defined	Standard
mipha	ipsec-esp-txpackets	INT64	Incremental	active	The total number of ESP Encode packets transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-esp-txbytes	INT64	Incremental	active	The total number of ESP Encode Bytes transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-ah-txpackets	INT64	Incremental	active	The total number of AH Encode packets transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-ah-txbytes	INT64	Incremental	active	The total number of AH Encode Bytes transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-error-txpackets	INT64	Incremental	active	The total number of Encode Error packets transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-error-txbytes	INT64	Incremental	active	The total number of Transmit Encode Error Bytes transmitted over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-esp-rxpackets	INT64	Incremental	active	The total number of ESP Decode packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-esp-rxbytes	INT64	Incremental	active	The total number of ESP Decode Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-ah-rxpackets	INT64	Incremental	active	The total number of AH Decode packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-ah-rxbytes	INT64	Incremental	active	The total number of AH Decode Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-error-packets	INT64	Incremental	active	The total number of Error packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-error-bytes	INT64	Incremental	active	The total number of Error Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-replay-packets	INT64	Incremental	active	The total number of Error Replay packets received over IPSec.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipha	ipsec-replay-bytes	INT64	Incremental	active	The total number of Error Replay Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-decode-packets	INT64	Incremental	active	The total number of Error Decode packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-decode-bytes	INT64	Incremental	active	The total number of Error Decode Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-auth-packets	INT64	Incremental	active	The total number of Error Authentication packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-auth-bytes	INT64	Incremental	active	The total number of Error Authentication Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-tooshort-packets	INT64	Incremental	active	The total number of Error Too Short packets received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-tooshort-bytes	INT64	Incremental	active	The total number of Receive Error Too Short Bytes received over IPSec.	Not Defined	Not Defined	Standard
mipha	ipsec-dpdreq-sent	INT32	Incremental	active	The total number of DPD requests sent	Not Defined	Not Defined	Standard
mipha	ipsec-dpdreq-recv	INT32	Incremental	active	The total number of DPD requests received	Not Defined	Not Defined	Standard
mipha	ipsec-dpdreply-sent	INT32	Incremental	active	The total number of DPD replies sent	Not Defined	Not Defined	Standard
mipha	ipsec-dpdreply-recv	INT32	Incremental	active	The total number of DPD replies received	Not Defined	Not Defined	Standard
mipha	ipsec-dpdtimeout	INT32	Incremental	active	The total number of DPD timeouts (retransmissions)	Not Defined	Not Defined	Standard
mipha	ipsec-dpddisconn	INT32	Incremental	active	The total number of DPD disconnects	Not Defined	Not Defined	Standard
mipha	ipsec-dpdrekey	INT32	Incremental	active	The total number of DPD phase1 rekeys	Not Defined	Not Defined	Standard
mipha	ipsec-nattkeepalive-sent	INT32	Incremental	active	The total number of NATT keepalives sent	Not Defined	Not Defined	Standard
mipha	ipsec-nattkeepalive-recv	INT32	Incremental	active	The total number of NATT keepalives received	Not Defined	Not Defined	Standard
mipha	ipsec-ike-udpflows	INT32	Gauge	active	The total number of current IKE UDP flows	Not Defined	Not Defined	Standard
mipha	ipsec-ike-cookieflows	INT32	Gauge	active	The total number of current IKE cookie flows	Not Defined	Not Defined	Standard
mipha	ipsec-ike-txpackets	INT64	Incremental	active	The total number of IKE packets transmitted	Not Defined	Not Defined	Standard
mipha	ipsec-ike-rxpackets	INT64	Incremental	active	The total number of IKE packets received	Not Defined	Not Defined	Standard
mipha	ipsec-ike-reqrecv	INT64	Incremental	active	The total number of IKE requests received	Not Defined	Not Defined	Standard
mipha	ipsec-ike-udpflowpackets	INT64	Incremental	active	The total number of IKE UDP flow packets received	Not Defined	Not Defined	Standard
mipha	ipsec-ike-cookieflowpackets	INT64	Incremental	active	The total number of IKE cookie flow packets received	Not Defined	Not Defined	Standard
mipha	ipsec-cur-tun	INT32	Gauge	active	Current IPSec tunnels.	Not Defined	Not Defined	Standard
mipha	ipsec-cur-tunestablished	INT32	Gauge	active	Current IPSec tunnels established.	Not Defined	Not Defined	Standard
mipha	ipsec-ike-fails	INT32	Incremental	active	Total IPSec IKE failures.	Not Defined	Not Defined	Standard
mipha	ipsec-ttl-tun	INT32	Incremental	active	Total IPSec TTL tunnels.	Not Defined	Not Defined	Standard
mipha	ipsec-ttl-tunestablished	INT32	Incremental	active	The total number of tunnels that were established	Not Defined	Not Defined	Standard
mipha	ipsec-call-req-rej	INT32	Incremental	active	The total number of call requests that were rejected	Not Defined	Not Defined	Standard
mipv6ha	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
mipv6ha	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MIPv6HA service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
mipv6ha	servname	STRING	Primary-key	active	The name of the MIPv6HA service for which these statistics are being displayed.	Configuration	Per Service	Standard
mipv6ha	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per Service	Standard
mipv6ha	num-subscriber	INT32	Incremental	active	The current total number of MIPv6 HA sessions.	Not Defined	Not Defined	Standard
mipv6ha	aaa-attempt	INT32	Incremental	active	The number of authentication requests attempted on receiving a bind update request.	Not Defined	Not Defined	Standard
mipv6ha	aaa-success	INT32	Incremental	active	The number of successful authorization attempts.	Not Defined	Not Defined	Standard
mipv6ha	aaa-totfail	INT32	Incremental	active	The number of failed authorization attempts.	Not Defined	Not Defined	Standard
mipv6ha	aaa-actauthfail	INT32	Incremental	active	The authorization attempt failure count due to access rejects from AAA.	Not Defined	Not Defined	Standard
mipv6ha	aaa-misauthfail	INT32	Incremental	active	The authorization attempt failure s due to other reasons like internal error or AAA response timeout.	Not Defined	Not Defined	Standard
mipv6ha	bindupdrec-totrec	INT32	Incremental	active	The total number of MIPv6 bind update requests received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipv6ha	bindupdrec-totacc	INT32	Incremental	active	The total number of MIPv6 bind update requests accepted.	Not Defined	Not Defined	Standard
mipv6ha	bindupdrec-totdeny	INT32	Incremental	active	The total number of MIPv6 bind update requests denied.	Not Defined	Not Defined	Standard
mipv6ha	bindupdrec-totdisc	INT32	Incremental	active	The total number of MIPv6 bind update requests discarded.	Not Defined	Not Defined	Standard
mipv6ha	bindupdrec-totcongdisc	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	ibindupdreq-receive	INT32	Incremental	active	The total number of initial bind update requests received.	Not Defined	Not Defined	Standard
mipv6ha	ibindupdreq-accept	INT32	Incremental	active	The total number of initial bind update requests accepted.	Not Defined	Not Defined	Standard
mipv6ha	ibindupdreq-deny	INT32	Incremental	active	The total number of initial bind update requests denied.	Not Defined	Not Defined	Standard
mipv6ha	rbindupdreq-receive	INT32	Incremental	active	The total number of renew bind update requests received.	Not Defined	Not Defined	Standard
mipv6ha	rbindupdreq-accept	INT32	Incremental	active	The total number of renew bind update requests accepted.	Not Defined	Not Defined	Standard
mipv6ha	rbindupdreq-deny	INT32	Incremental	active	The total number of renew bind update requests denied.	Not Defined	Not Defined	Standard
mipv6ha	deregreq-receive	INT32	Incremental	active	The total number of dereg bind update requests received.	Not Defined	Not Defined	Standard
mipv6ha	deregreq-accept	INT32	Incremental	active	The total number of dereg bind update requests accepted.	Not Defined	Not Defined	Standard
mipv6ha	deregreq-deny	INT32	Incremental	active	The total number of dereg bind update requests denied.	Not Defined	Not Defined	Standard
mipv6ha	horeq-receive	INT32	Incremental	active	The total number of handoff bind update requests received. A handoff bind update request is a bind update request received for the same session (NAI/HA/HoA) with a new CoA.	Not Defined	Not Defined	Standard
mipv6ha	horeq-accept	INT32	Incremental	active	The total number of handoff requests accepted.	Not Defined	Not Defined	Standard
mipv6ha	horeq-deny	INT32	Incremental	active	The total number of handoff requests denied.	Not Defined	Not Defined	Standard
mipv6ha	bindacksent-total	INT32	Incremental	active	The total number of MIPv6 binding acknowledgement messages sent.	Not Defined	Not Defined	Standard
mipv6ha	bindacksent-acceptreg	INT32	Incremental	active	The total number of MIPv6 binding acknowledgement replies sent.	Not Defined	Not Defined	Standard
mipv6ha	bindacksent-acceptdereg	INT32	Incremental	active	The total number of MIPv6 dereg replies sent (bind acknowledgement with a lifetime of zero).	Not Defined	Not Defined	Standard
mipv6ha	bindacksent-deny	INT32	Incremental	active	The total number of denied bind acknowledgement replies sent.	Not Defined	Not Defined	Standard
mipv6ha	denyreason-mismatchid	INT32	Incremental	active	The total number of bind update denied with status code 90H (mismatched id).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-mnauthfail	INT32	Incremental	active	The total number of bind update denied with status code 92H (mobile auth failure).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-admprohibit	INT32	Incremental	active	The total number of bind update denied with status code 81H (Admin prohibited).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-noresource	INT32	Incremental	active	The total number of bind update denied with status code 82H (Insufficient resources).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-unspereason	INT32	Incremental	active	The total number of bind update denied with status code 80H (Reason Unspecified).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-msgidrequire	INT32	Incremental	active	The total number of bind update denied with status code 91H (Mesg-Id-Required).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-dadfail	INT32	Incremental	active	The total number of bind update denied with status code 86H (Duplicate Address Detection failed).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-nothomesubnet	INT32	Incremental	active	The total number of bind update denied with status code 84H (Not Home Subnet).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-seqoutwindow	INT32	Incremental	active	The total number of bind update denied with status code 87H (Sequence number Out of Window).	Not Defined	Not Defined	Standard
mipv6ha	denyreason-regchadisallow	INT32	Incremental	active	The total number of bind update denied with status code 8BH (Registration Type change disallowed).	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt	INT32	Incremental	active	The total number of tunneled data packets received.	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt6in6	INT32	Incremental	active	The total number of ipv6-ipv6 tunneled data packets received.	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte	INT64	Incremental	active	The total byte count of the tunnel data received	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte6in6	INT64	Incremental	active	The total byte count of ipv6-ipv6 tunneled data received	Not Defined	Not Defined	Standard
mipv6ha	datareceive-errorprotocol	INT32	Incremental	active	The total number of packets received with protocol type error.	Not Defined	Not Defined	Standard
mipv6ha	datareceive-errorinvpkt	INT32	Incremental	active	The total number of invalid data packets received	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipv6ha	datareceive-errornosess	INT32	Incremental	active	The total number of data packets received for which session was not found.	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt4in4	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt6in4	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt4inudp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totpkt6inudp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte4in4	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte6in4	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte4inudp	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datareceive-totbyte6inudp	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt	INT32	Incremental	active	The total number of tunnel data packet sent	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt6in6	INT32	Incremental	active	The total number of ipv6-ipv6 tunneled data packets sent	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte	INT64	Incremental	active	The total byte count of tunneled data sent	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte6in6	INT64	Incremental	active	The total byte count for ipv6-ipv6 tunneled data sent	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt4in4	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt6in4	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt4inudp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totpkt6inudp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte4in4	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte6in4	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte4inudp	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	datasent-totbyte6inucp	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	disconnect-lifetimeexp	INT32	Incremental	active	The total number of session disconnected due to lifetime expiry	Not Defined	Not Defined	Standard
mipv6ha	disconnect-deregistration	INT32	Incremental	active	The total number of disconnects due to deregistration from MN.	Not Defined	Not Defined	Standard
mipv6ha	disconnect-admdrop	INT32	Incremental	active	The total number of sessions disconnected administratively.	Not Defined	Not Defined	Standard
mipv6ha	disconnect-othreason	INT32	Incremental	active	The total number of sessions disconnects due to other reasons.	Not Defined	Not Defined	Standard
mipv6ha	icmpv6-toobigreceive	INT32	Incremental	active	The total number of ICMPv6 Packet too big received for tunneled packets originating within tunnel.	Not Defined	Not Defined	Standard
mipv6ha	icmpv6-toobigforward	INT32	Incremental	active	The total number of ICMPv6 packet too big forwarded messages	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-badreq	INT32	Incremental	active	Number of updates denied for an Admin prohibited reason: bad request	Not Defined	Not Defined	Standard
mipv6ha	bindacksent-senderror	INT32	Incremental	active	The total number of binding acknowledgements sent with a send error	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-congcondenied	INT32	Incremental	active	Number of updates denied for an Admin prohibited reason: congestion control denied	Not Defined	Not Defined	Standard
mipv6ha	icmpv6-toobigdrop	INT32	Incremental	active	Number of ICMPv6 packets dropped because they are too big and need to be fragmented.	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-congdiscard	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-chkerror	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-iniauthpend	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-sessnotfound	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-hamgrnotready	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-decodefail	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	bindupddisc-invbuflength	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-authoptmiss	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-MN-AAA Auth Option Missing.	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-hbitnotset	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-H-bit Not Set.	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-invaaaspi	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-Invalid MN-AAA Option SPI.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mipv6ha	admprohreason-invhaspi	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-Invalid MN-HA Option SPI.	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-polrej	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-Policy Rejected.	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-notauth	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-HoA Not Authorized.	Not Defined	Not Defined	Standard
mipv6ha	admprohreason-noperm	INT32	Incremental	active	Number of bind updates denied because there are Admin Prohibited Reasons-No Permission.	Not Defined	Not Defined	Standard
mipv6ha	insufresource-nosessmgr	INT32	Incremental	active	Number of bind updates denied because there are Insufficient Resource Reasons-No Session Manager.	Not Defined	Not Defined	Standard
mipv6ha	insufresource-nomem	INT32	Incremental	active	Number of bind updates denied because there are Insufficient Resource Reasons-No Memory.	Not Defined	Not Defined	Standard
mipv6ha	insufresource-sessmgrrej	INT32	Incremental	active	Number of bind updates denied because there are Insufficient Resource Reasons-Session Manager Rejected.	Not Defined	Not Defined	Standard
mipv6ha	insufresource-ipqexc	INT32	Incremental	active	Number of bind updates denied because there are Insufficient Resource Reasons-Input-Q Exceeded.	Not Defined	Not Defined	Standard
mipv6ha	insufresource-simbindexc	INT32	Incremental	active	Number of bind updates denied because there are Insufficient Resource Reasons-Simul Bindings Exceeded.	Not Defined	Not Defined	Standard
lma	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
lma	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the LMA service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
lma	servname	STRING	Primary-key	active	The name of the LMA service for which these statistics are being displayed.	Configuration	Per LMA Service	Standard
lma	servid	INT32	Primary-key	active	The identification number of the LMA service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per LMA Service	Standard
lma	sess-cur	INT32	Gauge	active	The total number of sessions currently established on this system.	Not Defined	Per LMA Service	Standard
lma	lma-curr-s6b-assume-positive	INT32	Gauge	active	Total number of current active subscribers which are in S6b by-passed state (assume positive) in the LMA service. That is, the total count of active number of PDN sessions for which S6b by-passed.	Not Defined	Per LMA service	Standard
lma	mipaaaauth-attempts	INT32	Incremental	active	The total number of mobile IP AAA Authentication attempts on receiving Binding request message by LMA service.	Increments when auth attempted on receiving Bind message.	Per LMA service	Standard
lma	mipaaaauth-success	INT32	Incremental	active	The total number of successful mobile IP AAA Authentication attempts made by LMA service.	Increments when auth is successful when attempted.	Per LMA service	Standard
lma	mipaaaauth-totalfailures	INT32	Incremental	active	The total number of failed mobile IP AAA authentication attempts received by LMA service.	Increments when auth failed when attempted.	Per LMA service	Standard
lma	mipaaaauth-actualauthfailures	INT32	Incremental	active	The total number of mobile IP AAA authentication failures received by LMA service.	Increments when actual auth failed when attempted.	Per LMA service	Standard
lma	mipaaaauth-miscauthfailures	INT32	Incremental	active	The total number of miscellaneous mobile IP AAA authentication failures received by LMA service.	Increments when auth failed due to other reasons when attempted.	Per LMA service	Standard
lma	bindupd	INT32	Incremental	active	The total number of all binding updates sent by this system.	Incremented when PBU is sent	Per LMA service	Standard
lma	bindupd-accept	INT32	Incremental	active	The total number of all binding updates received and accepted by LMA service.	Increments when binding update request is accepted.	Per LMA service	Standard
lma	bindupd-denied	INT32	Incremental	active	The total number of all binding updates received and denied by LMA service.	Increments when binding update request is rejected/denied.	Per LMA service	Standard
lma	bindupd-discard	INT32	Incremental	active	The total number of all binding updates received and discarded by LMA service.	Increments when binding update request is discarded.	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	bindupd-initial	INT32	Incremental	active	The total number of all initial binding updates received by LMA service.	Increments when initial binding updated request is received.	Per LMA service	Standard
lma	bindupd-initialaccept	INT32	Incremental	active	The total number of initial binding updates received and accepted by LMA service.	Increments when initial binding update request is accepted.	Per LMA service	Standard
lma	bindupd-initialdenied	INT32	Incremental	active	The total number of initial binding updates received and denied by LMA service.	Increments when initial binding update request is rejected/denied.	Per LMA service	Standard
lma	bindupd-refresh	INT32	Incremental	active	The total number of all refresh binding update requests received by LMA service.	Increments when renew binding updated request is received.	Per LMA service	Standard
lma	bindupd-refreshaccept	INT32	Incremental	active	The total number of refresh binding update requests received and accepted by LMA service.	Increments when renew binding update request is accepted.	Per LMA service	Standard
lma	bindupd-refreshdenied	INT32	Incremental	active	The total number of refresh binding update requests received and denied by LMA service.	Increments when renew binding update request is rejected/denied.	Per LMA service	Standard
lma	bindupd-dereg	INT32	Incremental	active	The total number of deregistration request transmit binding updates sent by this system.	Incremented when dereg PBU is sent	Per LMA service	Standard
lma	bindupd-deregaccept	INT32	Incremental	active	The total number of deregistration request binding updates received and accepted by LMA service.	Increments when dereg binding update request is accepted.	Per LMA service	Standard
lma	bindupd-deregdenied	INT32	Incremental	active	The total number of deregistration request binding updates received and denied by LMA service.	Increments when dereg binding update request is rejected/denied.	Per LMA service	Standard
lma	bindupd-handoff	INT32	Incremental	active	The total number of all handoff request binding updates received by LMA service.	Increments when handoff binding updated request is received.	Per LMA service	Standard
lma	bindupd-handoffaccept	INT32	Incremental	active	The total number of handoff request binding updates received and accepted by LMA service.	Increments when handoff binding update request is accepted.	Per LMA service	Standard
lma	bindupd-handoffdenied	INT32	Incremental	active	The total number of handoff request binding updates received and denied by LMA service.	Increments when handoff binding update request is rejected/denied.	Per LMA service	Standard
lma	bindupd-ack	INT32	Incremental	active	The total number of all binding update acknowledgements sent by LMA service.	Increments when binding Ack is sent.	Per LMA service	Standard
lma	bindupd-ackacceptreg	INT32	Incremental	active	The total number of accepted registration binding update acknowledgements sent by LMA service.	Increments when binding Ack is sent with success status code.	Per LMA service	Standard
lma	bindupd-ackacceptdereg	INT32	Incremental	active	The total number of accepted deregistration binding update acknowledgements sent by LMA service.	Increments when dereg binding Ack is sent with success status code.	Per LMA service	Standard
lma	bindupd-ackdenied	INT32	Incremental	active	The total number of denied binding update acknowledgements sent by LMA service.	Increments when binding Ack is denied and sent with error status code.	Per LMA service	Standard
lma	bindupd-acksenderror	INT32	Incremental	active	The total number of send error binding update acknowledgements sent by LMA service.	Increments when error is encountered while sending binding Ack.	Per LMA service	Standard
lma	bindupd-denynoresource	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources, sent by LMA service.	Increments when Binding Ack is sent with status code Insufficient resources.	Per LMA service	Standard
lma	bindupd-denymisid	INT32	Incremental	active	The total number of binding update deny messages, due to mismatched IDs, sent by LMA service.	Increments when Binding Ack is sent with status code Mismatched ID.	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	bindupd-denymnauthfailure	INT32	Incremental	active	The total number of binding update deny messages, due to a mobile node authentication failure condition, sent by LMA service.	Increments when Binding Ack is sent with status code Mobility Auth failed.	Per LMA service	Standard
lma	bindupd-denyadmin	INT32	Incremental	active	The total number of binding update deny messages, due to an admin prohibited condition, sent by LMA service.	Increments when Binding Ack is sent with status code Admin Prohibited.	Per LMA service	Standard
lma	bindupd-denymsgidreq	INT32	Incremental	active	The total number of binding update deny messages, due to requiring a message ID, sent by LMA service.	Increments when Binding Ack is sent with status code Mesg ID Reqd.	Per LMA service	Standard
lma	bindupd-denydadfailed	INT32	Incremental	active	The total number of binding update deny messages, due to DAD failure, sent by LMA service.	Increments when Binding Ack is sent with status code DAD failed.	Per LMA service	Standard
lma	bindupd-denynothomesub	INT32	Incremental	active	The total number of binding update deny messages, due to an incorrect home subnet, sent by LMA service.	Increments when Binding Ack is sent with status code Not Home Subnet.	Per LMA service	Standard
lma	bindupd-denyseqoow	INT32	Incremental	active	The total number of binding update deny messages, due to sequence out of window, sent by LMA service.	Increments when Binding Ack is sent with status code Sequence Number out of window.	Per LMA service	Standard
lma	bindupd-denytypchgdis	INT32	Incremental	active	The total number of binding update deny messages, due to a disallowed registration type change, sent by LMA service.	Increments when Binding Ack is sent with status code Reg Type change Disallowed.	Per LMA service	Standard
lma	bindupd-denyunspec	INT32	Incremental	active	The total number of binding update deny messages, due to an unspecified reason, sent by LMA service.	Increments when Binding Ack is sent with status code Unspecified reason.	Per LMA service	Standard
lma	bindupd-denyservauthfailed	INT32	Incremental	active	The total number of binding update deny messages, due to a service authorization failure, sent by LMA service.	Increments when Binding Ack is sent with status code Service authorization failed.	Per LMA service	Standard
lma	bindupd-denyproxyreg	INT32	Incremental	active	The total number of binding update deny messages, due to a proxy registration not enabled error, sent by LMA service.	Increments when Binding Ack is sent with status code Proxy Reg Not enabled.	Per LMA service	Standard
lma	bindupd-denytimestamp	INT32	Incremental	active	The total number of binding update deny messages, due to a timestamp mismatch error, sent by LMA service.	Increments when Binding Ack is sent with status code Timestamp mismatch.	Per LMA service	Standard
lma	bindupd-denytimestamplower	INT32	Incremental	active	The total number of binding update deny messages, due to a timestamp lower than expected reason, sent by LMA service.	Increments when Binding Ack is sent with status code Timestamp lower than expected.	Per LMA service	Standard
lma	bindupd-denymismnid	INT32	Incremental	active	The total number of binding update deny messages, due to a missing MN-ID option, sent by LMA service.	Increments when Binding Ack is sent with status code Missing MN-ID option.	Per LMA service	Standard
lma	bindupd-denymishnp	INT32	Incremental	active	The total number of binding update deny messages, due to a missing HNP option, sent by LMA service.	Increments when Binding Ack is sent with status code Missing HNP option.	Per LMA service	Standard
lma	bindupd-denymisaccesstech	INT32	Incremental	active	The total number of binding update deny messages, due to a missing access technology option, sent by LMA service.	Increments when Binding Ack is sent with status code Missing Access Tech option.	Per LMA service	Standard
lma	bindupd-denymishandoffind	INT32	Incremental	active	The total number of binding update deny messages, due to a missing handoff indicator option, sent by LMA service.	Increments when Binding Ack is sent with status code Missing Handoff indication option.	Per LMA service	Standard
lma	bindupd-denynotauthhnp	INT32	Incremental	active	The total number of binding update deny messages, due to a not authorized for HNP reason, sent by LMA service.	Increments when Binding Ack is sent with status code Not Authorized for HNP.	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	bindupd-denynotlmamobile	INT32	Incremental	active	The total number of binding update deny messages, due to a missing LMA for the MN, sent by LMA service.	Increments when Binding Ack is sent with status code Not LMA for mobile/	Per LMA service	Standard
lma	bindupd-denynotauthproxyreg	INT32	Incremental	active	The total number of binding update deny messages, due to a not authorized for proxy registration reason, sent by LMA service.	Increments when Binding Ack is sent with status code Not Authorized for Proxy Reg.	Per LMA service	Standard
lma	bindupd-denybceprefix	INT32	Incremental	active	The total number of binding update deny messages, due to a BCE prefix not matching, sent by LMA service.	Increments when Binding Ack is sent with status code BCE prefix set do not match.	Per LMA service	Standard
lma	bindupd-denygrekey	INT32	Incremental	active	The total number of binding update deny messages, due to a GRE key option required, sent by LMA service.	Increments when Binding Ack is sent with status code GRE key option required.	Per LMA service	Standard
lma	bindupd-denynoresourcesessmgr	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - no session manager, sent by LMA service.Increments when Binding Update rejected due to No sessmgr.	Increments when Binding Update rejected due to No sessmgr.	Per LMA service	Standard
lma	bindupd-denynoresourcememory	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - no memory, sent by LMA service.	Increments when Binding Update rejected due to memory alloc failure.	Per LMA service	Standard
lma	bindupd-denynoresourcereject	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - session manager rejected, sent by LMA service.	Increments when Binding Update rejected due to sessmgr rejection.	Per LMA service	Standard
lma	bindupd-denynoresourceinputq	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - input queue exceeded, sent by LMA service.	Increments when Binding Update rejected due to demux queue exceeding limit.	Per LMA service	Standard
lma	bindupd-denynoresourcesimulbind	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - simultaneous bindings exceeded, sent by LMA service.	Increments when Binding Update rejected due to session exceeding binding limit.	Per LMA service	Standard
lma	bindupd-denynoresourceaddallocfail	INT32	Incremental	active	The total number of binding update deny messages, due to insufficient resources - address allocation failed, sent by LMA service.	Increments when Binding Update rejected due to address alloc failure.	Per LMA service	Standard
lma	bindupd-denyadminprohmnaaaauth	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - MN-AAA auth option missing condition, sent by LMA service.	Increments when Binding Update rejected due to missing MN-AAA auth option.	Per LMA service	Standard
lma	bindupd-denyadminprohhbit	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - H-bit not set condition, sent by LMA service.	Increments when Binding Update rejected due to H bit not set.	Per LMA service	Standard
lma	bindupd-denyadminprohmnaaaspi	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - invalid MN-AAA option SPI condition, sent by LMA service.	Increments when Binding Update rejected due to invalid SPI in MN-AAA auth option.	Per LMA service	Standard
lma	bindupd-denyadminprohmnhaspi	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - invalid MN-HA option SPI condition, sent by LMA service.	Increments when Binding Update rejected due to invalid SPI in MN-HA auth option.	Per LMA service	Standard
lma	bindupd-denyadmincong	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - congestion control condition, sent by LMA service.	Increments when Binding Update rejected due congestion control.	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	bindupd-denyadminpolrej	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - policy rejected condition, sent by LMA service.	Increments when Binding Update rejected due policy.	Per LMA service	Standard
lma	bindupd-denyadminhoa	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - HoA not authorized condition, sent by LMA service.	Increments when Binding Update rejected due HoA authorization failure.	Per LMA service	Standard
lma	bindupd-denyadminperm	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - no permission condition, sent by LMA service.	Increments when Binding Update rejected due to no permission.	Per LMA service	Standard
lma	bindupd-denyadminbadreq	INT32	Incremental	active	The total number of binding update deny messages, due to an administrator prohibited - bad request condition, sent by LMA service.	Increments when Binding Update decode fails.	Per LMA service	Standard
lma	bindupd-denynewsessaaa	INT32	Incremental	active	The total number of binding update deny messages, due to aaa denial - bad request condition, sent by LMA service.	Increments when Binding Update is rejected	Per LMA service	Standard
lma	bindupd-denynewsesspcrf	INT32	Incremental	active	The total number of binding update deny messages, due to pcrf denial - bad request condition, sent by LMA service.	Increments when Binding Update is rejected	Per LMA service	Standard
lma	bindupd-denynewsesspcs	INT32	Incremental	active	The total number of binding update deny messages, due to policy charging service denial - bad request condition, sent by LMA service.	Increments when Binding Update is rejected	Per LMA service	Standard
lma	bindupd-discardcong	INT32	Incremental	active	The total number of binding update discarded messages, due to congestion, sent by LMA service.	Increments when Binding Update discarded due to congestion control.	Per LMA service	Standard
lma	bindupd-discardchecksum	INT32	Incremental	active	The total number of binding update discarded messages, due to checksum error(s), sent by LMA service.	Increments when Binding Update discarded due to checksum error	Per LMA service	Standard
lma	bindupd-discardauthpending	INT32	Incremental	active	The total number of binding update discarded messages, due to an initial authentication pending condition, sent by LMA service.	Increments when Binding Update discarded when initial registration is still being processed.	Per LMA service	Standard
lma	bindupd-discardsessnotfound	INT32	Incremental	active	The total number of binding update discarded messages, due to a session not found condition, sent by LMA service.	Increments when Binding Update discarded due to session not found internally when expected.	Per LMA service	Standard
lma	bindupd-discardhamgrnotready	INT32	Incremental	active	The total number of binding update discarded messages, due to an HA manager not found condition, sent by LMA service.	Increments when Binding Update discarded due to hamgr not ready.	Per LMA service	Standard
lma	bindupd-discarddecodefail	INT32	Incremental	active	The total number of binding update discarded messages, due to a decode failure, sent by LMA service.	Increments when Binding Update discarded due to decode failure.	Per LMA service	Standard
lma	bindupd-discardinvbuflen	INT32	Incremental	active	The total number of binding update discarded messages, due to an invalid buffer length, sent by LMA service.	Increments when Binding Update discarded due to packet buffer length.	Per LMA service	Standard
lma	bindupd-discardrevoc	INT32	Incremental	active	The total number of binding update discarded messages, due to a revocation pending, sent by LMA service.	Increments when Binding Update discarded due to pending revocation.	Per LMA service	Standard
lma	bindrev-sent	INT32	Incremental	active	The total number of binding revocations sent by this system or the specified service.	Incremented when BRI is sent by MAG service	Per LMA service	Standard
lma	bindrev-retriessent	INT32	Incremental	active	The total number of binding revocation retries sent by this system or the specified service.	Incremented when BRI is retransmitted by MAG service	Per LMA service	Standard
lma	bindrev-ackrcvd	INT32	Incremental	active	The total number of binding revocation acknowledgements received by this system or the specified service.	Incremented when BRA is received by MAG service	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	bindrev-notacked	INT32	Incremental	active	The total number of binding revocations sent, but not acknowledged, by this system or the specified service.	Incremented when session is deleted after max BRI retires without receiving ACK	Per LMA service	Standard
lma	bindrev-rcvd	INT32	Incremental	active	The total number of binding revocations received by this system or the specified service.	Incremented when BRI is received by MAG service	Per LMA service	Standard
lma	bindrev-acksent	INT32	Incremental	active	The total number of binding revocation acknowledgements sent by this system or the specified service.	Incremented when BRA is sent by MAG service	Per LMA service	Standard
lma	sentrevtrig-reserved	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with a Reserved revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-unspecified	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Unspecified revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-admin	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Administrative Reason revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-maghoffsameatt	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Inter-MAG Handoff-Same ATT revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-maghoff-unknown	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Inter-MAG - Unknown Handoff revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-maghoff-diffatt	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Inter-MAG Handoff-Diff ATT revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-perpeer	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with a Per-Peer Policy revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-nodelocal	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with a Revoking Node Local Policy revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-userinitsess	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with a User Initiated Session Term revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-accessnwsess	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Access Network Session Term revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-ipv4hoabind	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an IPv4 HoA Binding Only revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-syncbce	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Out-of Sync BCE State revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	sentrevtrig-unknown	INT32	Incremental	active	The total number of Binding Revocation Indication (BRI) messages sent by LMA service with an Unknown revocation trigger reason.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-success	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Success status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-partialsuccess	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Partial-Success status.	Not Defined	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	rcvdrevack-nobinding	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Binding-Does-Not-Exist status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-noipv4hoabind	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a No IPv4-HoA-Bind status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-revocnotauth	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Global-Revoc-Not-Authorized status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-bindingnotidentified	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Cannot-Identify-Binding status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-revocfailmnattch	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with a Revoc-Failed-MN-Attached status.	Not Defined	Per LMA service	Standard
lma	rcvdrevack-unknown	INT32	Incremental	active	The total number of Binding Revocation Acknowledgement (BRA) messages received by LMA service with an Unknown status.	Not Defined	Per LMA service	Standard
lma	bindrev	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded by LMA service.	Increments when Binding revocation Acknowledgement is discarded.	Per LMA service	Standard
lma	bindrev-discardsessnotfound	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a session not found condition, by this system or the specified service.	Incremented when BRI is discarded due to session not found	Per LMA service	Standard
lma	bindrev-discardbadreq	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a badly formed request condition, by this system or the specified service.	Incremented when BRI is discarded due to malformed request	Per LMA service	Standard
lma	bindrev-discarddecodeerror	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a decode error condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded due to decode failure.	Per LMA service	Standard
lma	bindrev-discardchecksumerror	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a checksum error condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded due to checksum error.	Per LMA service	Standard
lma	bindrev-discardinvalidmsgtype	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a invalid memory type condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded due to invalid message type.	Per LMA service	Standard
lma	bindrev-discardhamgrnotready	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a HAMGR not ready condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded due to HAMGR not ready.	Per LMA service	Standard
lma	bindrev-discardmatchreqnotfound	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a matching request not found condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded as matching request not found.	Per LMA service	Standard
lma	bindrev-discardinvalidbuflen	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a invalid buffer length condition, by LMA service.	Increments when Binding revocation Acknowledgement discarded due to invalid packet length.	Per LMA service	Standard
lma	rxpackets	INT32	Incremental	active	The number of packets received over the port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	rxpackets-6in6	INT32	Incremental	active	The total number of IPv6-in-IPv6 tunnel packets received by this system.	Incremented when tunneled IPv6 in IPv6 encapsulated data packet is received	Per LMA service	Standard
lma	rxpackets-4in6	INT32	Incremental	active	The total number of IPv4-in-IPv6 tunnel packets received by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 encapsulated data packet is received	Per LMA service	Standard
lma	rxpackets-ipv6greipv4	INT32	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel packets received by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 GRE encapsulated data packet is received	Per LMA service	Standard
lma	rxpackets-ipv6greipv6	INT32	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel packets received by this system or the specified service.	Incremented when tunneled IPv6 in IPv6 GREncapsulated data packet is received	Per LMA service	Standard
lma	rxoctets	INT64	Incremental	active	The total number of octets received by this system.	Incremented with number of bytes received when tunneled data packet is received	Per LMA service	Standard
lma	rxoctets-6in6	INT64	Incremental	active	The total number of IPv6-in-IPv6 tunnel octets received by this system.	Incremented with number of IPv6 in IPv6 bytes received when tunneled data packet is received	Per LMA service	Standard
lma	rxoctets-4in6	INT64	Incremental	active	The total number of IPv4-in-IPv6 tunnel octets received by this system or the specified service.	Incremented with number of IPv4 in IPv6 bytes received when tunneled data packet is received	Per LMA service	Standard
lma	rxoctets-ipv6greipv4	INT64	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel octets received by this system or the specified service.	Incremented with number of IPv4 in IPv6 GRE bytes received when tunneled data packet is received	Per LMA service	Standard
lma	rxoctets-ipv6greipv6	INT64	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel octets received by this system or the specified service.	Incremented with number of IPv6 in IPv6 GRE bytes received when tunneled data packet is received	Per LMA service	Standard
lma	dataerror	INT32	Incremental	active	The total number of data errors received by this system.	Incremented when error is encountered on processing data packet received from the tunnel	Per LMA service	Standard
lma	dataerror-proto	INT32	Incremental	active	The total number of protocol type data errors received by this system.	Incremented when packet received with invalid protocol type	Per LMA service	Standard
lma	dataerror-invpktlen	INT32	Incremental	active	The total number of invalid packet length data errors received by this system.	Incremented when packet received with invalid length	Per LMA service	Standard
lma	dataerror-nosess	INT32	Incremental	active	The total number of no session found data errors received by this system.	Incremented when packet received with session not found	Per LMA service	Standard
lma	txpackets	INT32	Incremental	active	The number of packets transmitted over the port.	Not Defined	Not Defined	Standard
lma	txpackets-6in6	INT32	Incremental	active	The total number of IPv6-in-IPv6 tunnel packets sent by this system.	Incremented when tunneled IPv6 in IPv6 encapsulated data packet is sent	Per LMA service	Standard
lma	txpackets-4in6	INT32	Incremental	active	The total number of IPv4-in-IPv6 tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 encapsulated data packet is sent	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	txpackets-ipv6greipv4	INT32	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 GRE encapsulated data packet is sent	Per LMA service	Standard
lma	txpackets-ipv6greipv6	INT32	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv6 in IPv6 GREncapsulated data packet is sent	Per LMA service	Standard
lma	txoctets	INT64	Incremental	active	The total number of octets sent by this system.	Incremented with number of bytes sent when tunneled data packet is sent	Per LMA service	Standard
lma	txoctets-6in6	INT64	Incremental	active	The total number of IPv6-in-IPv6 tunnel octets sent by this system.	Incremented with number of IPv6 in IPv6 bytes sent when tunneled data packet is sent	Per LMA service	Standard
lma	txoctets-4in6	INT64	Incremental	active	The total number of IPv4-in-IPv6 tunnel octets sent by this system or the specified service.	Incremented with number of IPv4 in IPv6 bytes sent when tunneled data packet is sent	Per LMA service	Standard
lma	txoctets-ipv6greipv4	INT64	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel octets sent by this system or the specified service.	Incremented with number of IPv4 in IPv6 GRE bytes sent when tunneled data packet is sent	Per LMA service	Standard
lma	txoctets-ipv6greipv6	INT64	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel octets sent by this system or the specified service.	Incremented with number of IPv6 in IPv6 GRE bytes sent when tunneled data packet is sent	Per LMA service	Standard
lma	icmpv6-pkttoobigrecv	INT32	Incremental	active	The total number of tunnel ICMP packets - too big received by LMA service.	Increments when packet too big received with tunnel.	Per LMA service	Standard
lma	icmpv6-pkttoobigdrop	INT32	Incremental	active	The total number of tunnel ICMP packets - too big dropped by LMA service.	Increments when packet too big received with tunnel is dropped.	Per LMA service	Standard
lma	icmpv6-pkttoobigrelay	INT32	Incremental	active	The total number of tunnel ICMP packets - too big relayed by LMA service.	Increments when packet too big received with tunnel is relayed.	Per LMA service	Standard
lma	disc	INT32	Incremental	active	The total number of disconnects initiated by this system.	Incremented when MAG session disconnects	Per LMA service	Standard
lma	disclifetime	INT32	Incremental	active	The total number of disconnects due to lifetime expiry initiated by this system.	Incremented when MAG session is disconnected due to lifetime expiry	Per LMA service	Standard
lma	discdereg	INT32	Incremental	active	The total number sessions disconnected in the LMA service due to peer deregistration.	Increments when LMA session is disconnected due to deregistration.	Per LMA service	Standard
lma	discadmin	INT32	Incremental	active	Number of sessions terminated because of admin release.	Not Defined	Not Defined	Standard
lma	discother	INT32	Incremental	active	The total number of disconnects due to other reasons initiated by this system.	Incremented when MAG session is disconnected due to misc reasons	Per LMA service	Standard
lma	lma-txhbreqinitial	INT32	Incremental	active	The total number of initial heartbeat requests sent by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-txhbreqretrans	INT32	Incremental	active	The total number of retransmitted heartbeat requests sent by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-txhbrsptotal	INT32	Incremental	active	The total number of heartbeat responses sent by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbreqtotal	INT32	Incremental	active	The total number of heartbeat requests received by LMA service.	Not Defined	Per LMA service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lma	lma-rxhbrsptotal	INT32	Incremental	active	The total number of heartbeat responses received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbrspbinderror	INT32	Incremental	active	The total number of heartbeat response bind errors received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbdiscardtotal	INT32	Incremental	active	The total number of discarded heartbeat messages received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbdecodeerror	INT32	Incremental	active	The total number of discarded heartbeat messages, due to decode errors, received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbinvalidbufflen	INT32	Incremental	active	The total number of discarded heartbeat messages, due to an invalid buffer length, received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbrspunknownpeer	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response from unknown peer, received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbrspseqnummismatch	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response sequence number mismatch, received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbrsprstctrmissing	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response restart counter opt missing, received by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-rxhbchecksumerror	INT32	Incremental	active	The total number of lma heartbeat checksum errors received.	Not Defined	Per LMA service	Standard
lma	lma-pathfailurestotal	INT32	Incremental	active	The total number of heartbeat path failures by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-pathfailrstctrchange	INT32	Incremental	active	The total number of heartbeat path failures, due to restart counter change, by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-pathfailnohbrsprcvd	INT32	Incremental	active	The total number of heartbeat path failures, due to no heartbeat response received, by LMA service.	Not Defined	Per LMA service	Standard
lma	lma-pathfailsessionscleared	INT32	Incremental	active	The total number of heartbeat path failures session disconnected, due to no heartbeat response received, by LMA service.	Not Defined	Per LMA service	Standard
mag	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
mag	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MAG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
mag	servname	STRING	Primary-key	active	The name of the MAG service for which these statistics are being displayed.	Configuration	Per MAG Service	Standard
mag	servid	INT32	Primary-key	active	The identification number of the MAG service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per MAG Service	Standard
mag	sess-cur	INT32	Gauge	active	The total number of sessions currently established on this system.	Not Defined	Per MAG service	Standard
mag	bindupd	INT32	Incremental	active	The total number of all binding updates sent by this system.	Incremented when PBU is sent	Per MAG service	Standard
mag	bindupd-init	INT32	Incremental	active	The total number of initial request transmit binding updates sent by this system.	Incremented when initial PBU is sent	Per MAG service	Standard
mag	bindupd-initretrans	INT32	Incremental	active	The total number of initial request retransmit binding updates sent by this system.	Incremented when initial PBU is retransmitted	Per MAG service	Standard
mag	bindupd-renew	INT32	Incremental	active	The total number of renew request transmit binding updates sent by this system.	Incremented when renew PBU is sent	Per MAG service	Standard
mag	bindupd-renewretrans	INT32	Incremental	active	The total number of renew request retransmit binding updates sent by this system.	Incremented when renew PBU is retransmitted	Per MAG service	Standard
mag	bindupd-dereg	INT32	Incremental	active	The total number of deregistration request transmit binding updates sent by this system.	Incremented when dereg PBU is sent	Per MAG service	Standard
mag	bindupd-deregretrans	INT32	Incremental	active	The total number of deregistration request retransmit binding updates sent by this system.	Incremented when dereg PBU is retransmitted	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	bindack	INT32	Incremental	active	The total number of all binding acknowledgements received by this system.	Incremented when PBA is received	Per MAG service	Standard
mag	bindack-error	INT32	Incremental	active	The total number of all binding acknowledgements, with errors, received by this system.	Incremented when PBA received has some error	Per MAG service	Standard
mag	bindack-accept	INT32	Incremental	active	The total number of all binding acknowledgements received, and accepted by this system or the specified service.	Incremented when PBA has Accept status code	Per MAG service	Standard
mag	bindack-denied	INT32	Incremental	active	The total number of all binding acknowledgements received, but denied by this system or the specified service.	Incremented when PBA has deny status code	Per MAG service	Standard
mag	bindack-init	INT32	Incremental	active	The total number of all binding acknowledgements - initial reply received by this system.	Incremented when initial PBA is received	Per MAG service	Standard
mag	bindack-renew	INT32	Incremental	active	The total number of all binding acknowledgements - renew reply received by this system.	Incremented when renew PBA is received	Per MAG service	Standard
mag	bindack-dereg	INT32	Incremental	active	The total number of all binding acknowledgements - deregistration reply received by this system.	Incremented when dereg PBA is received	Per MAG service	Standard
mag	deniedlma-noresource	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to insufficient resources.	Incremented when PBA received with code Insufficient Resources	Per MAG service	Standard
mag	deniedlma-mismatchid	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to mismatched IDs.	Incremented when PBA received with code Mismatched ID	Per MAG service	Standard
mag	deniedlma-mnauthfail	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to mobile node authorization failures.	Incremented when PBA received with code MN-Auth failure	Per MAG service	Standard
mag	deniedlma-adminproh	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to admin prohibited conditions.	Incremented when PBA received with code Admin Prohibited	Per MAG service	Standard
mag	deniedlma-msgidrqd	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing message IDs.	Incremented when PBA received with code Mesg ID Required	Per MAG service	Standard
mag	deniedlma-dadfailed	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to DAD failures.	Incremented when PBA received with code DAD failed	Per MAG service	Standard
mag	deniedlma-homesubnet	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to incorrect home subnet.	Incremented when PBA received with code Not Home Subnet	Per MAG service	Standard
mag	deniedlma-seqoow	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to sequence out of window conditions.	Incremented when PBA received with code Sequence out of window	Per MAG service	Standard
mag	deniedlma-typchgdis	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to registration type change disallowed.	Incremented when PBA received with code Reg Type change disallowed	Per MAG service	Standard
mag	deniedlma-unspec	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to unspecified reasons.	Incremented when PBA received with code Unspecified reason	Per MAG service	Standard
mag	deniedlma-servauthfailed	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to failed service authorizations.	Incremented when PBA received with code Service Authorisation failed	Per MAG service	Standard
mag	deniedlma-proxyreg	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to proxy registration not being enabled.	Incremented when PBA received with code Proxy Reg not enabled	Per MAG service	Standard
mag	deniedlma-timestamp	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to timestamp mismatches.	Incremented when PBA received with code Time mismatch	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	deniedlma-timestamplower	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to lower than expected timestamps.	Incremented when PBA received with code Timestamp lower than expected	Per MAG service	Standard
mag	deniedlma-mismnid	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing mobile node ID options.	Incremented when PBA received with code Missing MN-ID option	Per MAG service	Standard
mag	deniedlma-mishnp	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing HNP options.	Incremented when PBA received with code Missing HNP option	Per MAG service	Standard
mag	deniedlma-misaccesstech	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing access technology options.	Incremented when PBA received with code MissingAccess Tech option	Per MAG service	Standard
mag	deniedlma-mishandoffind	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to missing handoff indication options.	Incremented when PBA received with code Missing Handoff indicator option	Per MAG service	Standard
mag	deniedlma-notauthhnp	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to not being authorized for HNP.	Incremented when PBA received with code Not Authorized for HNP	Per MAG service	Standard
mag	deniedlma-notlmamobile	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due incorrect LMA for mobility.	Incremented when PBA received with code Not LMA for Mobile	Per MAG service	Standard
mag	deniedlma-notauthproxyreg	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to not being authorized for proxy registration.	Incremented when PBA received with code Not Authorized for Proxy Reg	Per MAG service	Standard
mag	deniedlma-bceprefix	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to BCE prefix mismatches.	Incremented when PBA received with code BCE prefix set do not Match	Per MAG service	Standard
mag	deniedlma-grekey	INT32	Incremental	active	The total number of binding updates sent by this system or the specified service but denied by the LMA due to GRE key option required.	Incremented when PBA received with code GRE key option required	Per MAG service	Standard
mag	bindack-errormishnp	INT32	Incremental	active	The total number of binding acknowledgements with missing HNP errors received by this system or the specified service.	Incremented when PBA received that is discarded due to missing HNP option	Per MAG service	Standard
mag	bindack-errornai	INT32	Incremental	active	The total number of binding acknowledgements with missing NAI errors received by this system or the specified service.	Incremented when PBA received that is discarded due to missing MN-ID option	Per MAG service	Standard
mag	bindack-errorhomeaddconf	INT32	Incremental	active	The total number of binding acknowledgements with home address conflict errors received by this system or the specified service.	Incremented when PBA received that is discarded due to Home Address Conflict	Per MAG service	Standard
mag	bindack-errormatchreq	INT32	Incremental	active	The total number of binding acknowledgements with matching requests not found errors received by this system or the specified service.	Incremented when PBA received that is discarded due to Matching Request not found	Per MAG service	Standard
mag	bindack-errorbadlyformed	INT32	Incremental	active	The total number of binding acknowledgements with badly formed message errors received by this system or the specified service.	Incremented when PBA received that is discarded due to decode failure	Per MAG service	Standard
mag	bindack-errorchecksum	INT32	Incremental	active	The total number of binding acknowledgements with checksum errors received by this system or the specified service.	Incremented when PBA received that is discarded due to Checksum error	Per MAG service	Standard
mag	bindack-errorsessnotfound	INT32	Incremental	active	The total number of binding acknowledgements with session not found errors received by this system or the specified service.	Incremented when PBA received that is discarded due to session not found	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	bindrev-sent	INT32	Incremental	active	The total number of binding revocations sent by this system or the specified service.	Incremented when BRI is sent by MAG service	Per MAG service	Standard
mag	bindrev-retriessent	INT32	Incremental	active	The total number of binding revocation retries sent by this system or the specified service.	Incremented when BRI is retransmitted by MAG service	Per MAG service	Standard
mag	bindrev-ackrcvd	INT32	Incremental	active	The total number of binding revocation acknowledgements received by this system or the specified service.	Incremented when BRA is received by MAG service	Per MAG service	Standard
mag	bindrev-notacked	INT32	Incremental	active	The total number of binding revocations sent, but not acknowledged, by this system or the specified service.	Incremented when session is deleted after max BRI retires without receiving ACK	Per MAG service	Standard
mag	bindrev-rcvd	INT32	Incremental	active	The total number of binding revocations received by this system or the specified service.	Incremented when BRI is received by MAG service	Per MAG service	Standard
mag	bindrev-acksent	INT32	Incremental	active	The total number of binding revocation acknowledgements sent by this system or the specified service.	Incremented when BRA is sent by MAG service	Per MAG service	Standard
mag	rcvdbindrevtrig-reserved	INT32	Incremental	active	The total number of binding revocation trigger reasons received - reserved.	Incremented when BRI is received with trigger reason - Reserved	Per MAG service	Standard
mag	rcvdbindrevtrig-unspecified	INT32	Incremental	active	The total number of binding revocation trigger reasons received - unspecified.	Incremented when BRI is received with trigger reason - Unspecified	Per MAG service	Standard
mag	rcvdbindrevtrig-admin	INT32	Incremental	active	The total number of binding revocation trigger reasons received - administrative reason.	Incremented when BRI is received with trigger reason - Administrative reason	Per MAG service	Standard
mag	rcvdbindrevtrig-maghoffsameatt	INT32	Incremental	active	The total number of binding revocation trigger reasons received - inter-MAG handoff-same ATT.	Incremented when BRI is received with trigger reason - Inter MAG Handoff - same Access Type	Per MAG service	Standard
mag	rcvdbindrevtrig-maghoff-unknown	INT32	Incremental	active	The total number of binding revocation trigger reasons received - inter-MAG - unknown handoff.	Incremented when BRI is received with trigger reason - Inter MAG - unknown handoff	Per MAG service	Standard
mag	rcvdbindrevtrig-maghoff-diffatt	INT32	Incremental	active	The total number of binding revocation trigger reasons received - inter-MAG handoff-diff ATT.	Incremented when BRI is received with trigger reason - Inter MAG Handoff - diff Access type	Per MAG service	Standard
mag	rcvdbindrevtrig-perpeer	INT32	Incremental	active	The total number of binding revocation trigger reasons received - per-peer policy.	Incremented when BRI is received with trigger reason - Per peer policy	Per MAG service	Standard
mag	rcvdbindrevtrig-nodelocal	INT32	Incremental	active	The total number of binding revocation trigger reasons received - revoking node local policy.	Incremented when BRI is received with trigger reason - Node local policy	Per MAG service	Standard
mag	rcvdbindrevtrig-userinitsess	INT32	Incremental	active	The total number of binding revocation trigger reasons received - user initiated session term.	Incremented when BRI is received with trigger reason - User Initiated Sess Termination	Per MAG service	Standard
mag	rcvdbindrevtrig-accessnwsess	INT32	Incremental	active	The total number of binding revocation trigger reasons received - access network session term.	Incremented when BRI is received with trigger reason - Access network initiated Term	Per MAG service	Standard
mag	rcvdbindrevtrig-ipv4hoabind	INT32	Incremental	active	The total number of binding revocation trigger reasons received - IPv4 HoA binding only.	Incremented when BRI is received with trigger reason - IPv4 HoA binding only	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	rcvdbindrevtrig-syncbce	INT32	Incremental	active	The total number of binding revocation trigger reasons received - out-of sync BCE state.	Incremented when BRI is received with trigger reason - BCE Out of Sync	Per MAG service	Standard
mag	rcvdbindrevtrig-unknown	INT32	Incremental	active	The total number of binding revocation trigger reasons received - unknown.	Incremented when BRI is received with trigger reason - Unknown	Per MAG service	Standard
mag	sentrevack-success	INT32	Incremental	active	The total number of revocation ACK status sent - success.	Incremented when BRA is sent with status Success	Per MAG service	Standard
mag	sentrevack-partialsuccess	INT32	Incremental	active	The total number of revocation ACK status sent - partial-success.	Incremented when BRA is sent with status Partial Success	Per MAG service	Standard
mag	sentrevack-nobinding	INT32	Incremental	active	The total number of revocation ACK status sent - binding-does-not-exist.	Incremented when BRA is sent with status Binding Does Not exist	Per MAG service	Standard
mag	sentrevack-noipv4hoabind	INT32	Incremental	active	The total number of revocation ACK status sent - no IPv4-HoA-bind.	Incremented when BRA is sent with status No IPv4 HoA Binding	Per MAG service	Standard
mag	sentrevack-revocnotauth	INT32	Incremental	active	The total number of revocation ACK status sent - global-revoc-not-authorized.	Incremented when BRA is sent with status Global Revoc Not Authorized	Per MAG service	Standard
mag	sentrevack-bindingnotidentified	INT32	Incremental	active	The total number of revocation ACK status sent - cannot-identify-binding.	Incremented when BRA is sent with status Cannot Identify binding	Per MAG service	Standard
mag	sentrevack-revocfailmnattch	INT32	Incremental	active	The total number of revocation ACK status sent - revoc-failed-MN-attached.	Incremented when BRA is sent with status Revoc Failed MN Attached	Per MAG service	Standard
mag	sentrevack-unknown	INT32	Incremental	active	The total number of revocation ACK status sent - unknown.	Incremented when BRA is sent with status unknown	Per MAG service	Standard
mag	bindrev-discardtotal	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded by this system or the specified service.	Incremented when BRI is discarded	Per MAG service	Standard
mag	bindrev-discardsessnotfound	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a session not found condition, by this system or the specified service.	Incremented when BRI is discarded due to session not found	Per MAG service	Standard
mag	bindrev-discardbadreq	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a badly formed request condition, by this system or the specified service.	Incremented when BRI is discarded due to malformed request	Per MAG service	Standard
mag	bindrev-discarddecode	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a decode error condition, by this system or the specified service.	Incremented when BRI is discarded due to decode failure	Per MAG service	Standard
mag	bindrev-discardchecksum	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a checksum error condition, by this system or the specified service.	Incremented when BRI is discarded due to checksum error	Per MAG service	Standard
mag	bindrev-discardmsgtype	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to a invalid memory type condition, by this system or the specified service.	Incremented when BRI is discarded due to invalid message type	Per MAG service	Standard
mag	bindrev-discardnomemory	INT32	Incremental	active	The total number of binding revocation acknowledgements received and discarded, due to insufficient memory, by this system or the specified service.	Incremented when BRI is discarded due to memory alloc failure	Per MAG service	Standard
mag	rxpackets	INT64	Incremental	active	The number of packets received over the port.	Not Defined	Not Defined	Standard
mag	rxpackets-6in6	INT32	Incremental	active	The total number of IPv6-in-IPv6 tunnel packets received by this system.	Incremented when tunneled IPv6 in IPv6 encapsulated data packet is received	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	rxpackets-4in6	INT32	Incremental	active	The total number of IPv4-in-IPv6 tunnel packets received by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 encapsulated data packet is received	Per MAG service	Standard
mag	rxpackets-ipv6greipv4	INT32	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel packets received by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 GRE encapsulated data packet is received	Per MAG service	Standard
mag	rxpackets-ipv6greipv6	INT32	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel packets received by this system or the specified service.	Incremented when tunneled IPv6 in IPv6 GREncapsulated data packet is received	Per MAG service	Standard
mag	rxoctets	INT64	Incremental	active	The total number of octets received by this system.	Incremented with number of bytes received when tunneled data packet is received	Per MAG service	Standard
mag	rxoctets-6in6	INT64	Incremental	active	The total number of IPv6-in-IPv6 tunnel octets received by this system.	Incremented with number of IPv6 in IPv6 bytes received when tunneled data packet is received	Per MAG service	Standard
mag	rxoctets-4in6	INT64	Incremental	active	The total number of IPv4-in-IPv6 tunnel octets received by this system or the specified service.	Incremented with number of IPv4 in IPv6 bytes received when tunneled data packet is received	Per MAG service	Standard
mag	rxoctets-ipv6greipv4	INT64	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel octets received by this system or the specified service.	Incremented with number of IPv4 in IPv6 GRE bytes received when tunneled data packet is received	Per MAG service	Standard
mag	rxoctets-ipv6greipv6	INT64	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel octets received by this system or the specified service.	Incremented with number of IPv6 in IPv6 GRE bytes received when tunneled data packet is received	Per MAG service	Standard
mag	dataerror	INT32	Incremental	active	The total number of data errors received by this system.	Incremented when error is encountered on processing data packet received from the tunnel	Per MAG service	Standard
mag	dataerror-proto	INT32	Incremental	active	The total number of protocol type data errors received by this system.	Incremented when packet received with invalid protocol type	Per MAG service	Standard
mag	dataerror-invpktlen	INT32	Incremental	active	The total number of invalid packet length data errors received by this system.	Incremented when packet received with invalid length	Per MAG service	Standard
mag	dataerror-nosess	INT32	Incremental	active	The total number of no session found data errors received by this system.	Incremented when packet received with session not found	Per MAG service	Standard
mag	txpackets	INT64	Incremental	active	The number of packets transmitted over the port.	Not Defined	Not Defined	Standard
mag	txpackets-6in6	INT32	Incremental	active	The total number of IPv6-in-IPv6 tunnel packets sent by this system.	Incremented when tunneled IPv6 in IPv6 encapsulated data packet is sent	Per MAG service	Standard
mag	txpackets-4in6	INT32	Incremental	active	The total number of IPv4-in-IPv6 tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 encapsulated data packet is sent	Per MAG service	Standard
mag	txpackets-ipv6greipv4	INT32	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv4 in IPv6 GRE encapsulated data packet is sent	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	txpackets-ipv6greipv6	INT32	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel packets sent by this system or the specified service.	Incremented when tunneled IPv6 in IPv6 GREncapsulated data packet is sent	Per MAG service	Standard
mag	txoctets	INT64	Incremental	active	The total number of octets sent by this system.	Incremented with number of bytes sent when tunneled data packet is sent	Per MAG service	Standard
mag	txoctets-6in6	INT64	Incremental	active	The total number of IPv6-in-IPv6 tunnel octets sent by this system.	Incremented with number of IPv6 in IPv6 bytes sent when tunneled data packet is sent	Per MAG service	Standard
mag	txoctets-4in6	INT64	Incremental	active	The total number of IPv4-in-IPv6 tunnel octets sent by this system or the specified service.	Incremented with number of IPv4 in IPv6 bytes sent when tunneled data packet is sent	Per MAG service	Standard
mag	txoctets-ipv6greipv4	INT64	Incremental	active	The total number of IPv4-in-IPv6 GRE tunnel octets sent by this system or the specified service.	Incremented with number of IPv4 in IPv6 GRE bytes sent when tunneled data packet is sent	Per MAG service	Standard
mag	txoctets-ipv6greipv6	INT64	Incremental	active	The total number of IPv6-in-IPv6 GRE tunnel octets sent by this system or the specified service.	Incremented with number of IPv6 in IPv6 GRE bytes sent when tunneled data packet is sent	Per MAG service	Standard
mag	txoctets-ipv6greipv6	INT64	Incremental	active	this system or the specified service.	is sent	Per MAG service	Standard
mag	disc	INT32	Incremental	active	The total number of disconnects initiated by this system.	Incremented when MAG session disconnects	Per MAG service	Standard
mag	disclifetime	INT32	Incremental	active	The total number of disconnects due to lifetime expiry initiated by this system.	Incremented when MAG session is disconnected due to lifetime expiry	Per MAG service	Standard
mag	discaccessinit	INT32	Incremental	active	The total number of disconnects due to de-registrations initiated by this system or the specified service.	Incremented when MAG session is disconnected due to access initiated term	Per MAG service	Standard
mag	discadmin	INT32	Incremental	active	Number of sessions terminated because of admin release.	Not Defined	Per MAG service	Standard
mag	discother	INT32	Incremental	active	The total number of disconnects due to other reasons initiated by this system.	Incremented when MAG session is disconnected due to misc reasons	Per MAG service	Standard
mag	disclmarevoc	INT32	Incremental	active	The total number of disconnects due to LMA revocations received by this system or the specified service.	Incremented when MAG session disconnects due to revocation from LMA	Per MAG service	Standard
mag	lma-fallback-attempted	INT32	Incremental	active	The total number of LMA fallbacks attempted.	Not Defined	Per MAG service	Standard
mag	lma-fallback-success	INT32	Incremental	active	The total number of successful LMA fallbacks.	Not Defined	Per MAG service	Standard
mag	lma-fallback-failure	INT32	Incremental	active	The total number of LMA fallback failures.	Not Defined	Per MAG service	Standard
mag	lma-fallback-demux-update-fail	INT32	Incremental	active	The total number of LMA fallback demux update failures.	Not Defined	Per MAG service	Standard
mag	lma-fallback-alt-pgw-not-found	INT32	Incremental	active	The total number of LMA fallbacks due to alt P-GW not found.	Not Defined	Per MAG service	Standard
mag	lma-fallback-pgw-rejects	INT32	Incremental	active	The total number of LMA fallback P-GW rejects.	Not Defined	Per MAG service	Standard
mag	lma-fallback-pgw-timeouts	INT32	Incremental	active	The total number of LMA fallback P-GW timeouts.	Not Defined	Per MAG service	Standard
mag	mag-txhbreqinitial	INT32	Incremental	active	The total number of initial heartbeat requests sent by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-txhbreqretrans	INT32	Incremental	active	The total number of retransmitted heartbeat requests sent by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-txhbrsptotal	INT32	Incremental	active	The total number of heartbeat responses sent by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbreqtotal	INT32	Incremental	active	The total number of heartbeat requests received by MAG service.	Not Defined	Per MAG service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mag	mag-rxhbrsptotal	INT32	Incremental	active	The total number of heartbeat responses received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbrspbinderror	INT32	Incremental	active	The total number of heartbeat response bind errors received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbdiscardtotal	INT32	Incremental	active	The total number of discarded heartbeat messages received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbdecodeerror	INT32	Incremental	active	The total number of discarded heartbeat messages, due to decode errors, received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbinvalidbufflen	INT32	Incremental	active	The total number of discarded heartbeat messages, due to an invalid buffer length, received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbrspunknownpeer	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response from unknown peer, received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbrspseqnummismatch	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response sequence number mismatch, received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-rxhbrsprstctrmissing	INT32	Incremental	active	The total number of discarded heartbeat messages, due to heartbeat response restart counter opt missing, received by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-pathfailurestotal	INT32	Incremental	active	The total number of heartbeat path failures by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-pathfailrstctrchange	INT32	Incremental	active	The total number of heartbeat path failures, due to restart counter change, by MAG service.	Not Defined	Per MAG service	Standard
mag	mag-pathfailnohbrsprcvd	INT32	Incremental	active	The total number of heartbeat path failures, due to no heartbeat response received, by MAG service.	Not Defined	Per MAG service	Standard
egtpc	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the EGTPC service.	Configuration	Per Context	Standard
egtpc	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the EGTPC service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
egtpc	servname	STRING	Primary-key	active	Displays the name of the SAEGW service for which the statistics are displayed.	Configuration	Per EGTPC Service	Standard
egtpc	servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the SAEGW service. This is an internal reference number.	Generated During System Startup	Per EGTPC Service	Standard
egtpc	sess-cur	INT32	Gauge	Obsolete	Total number of current sessions	This counter is incremented when current session count is incremented	Per egtpc Session level	Standard
egtpc	tun-sent-cresess	INT32	Incremental	active	The total number of initial tunnel - create session request messages sent by the system.	This counter is incremented when initial create session request message is sent by the system	Per egtpc Sessionlevel	Standard
egtpc	tun-sent-retranscresess	INT32	Incremental	active	The total number of tunnel - retransmitted create session request messages sent by the system.	This counter is incremented when retransmitted create session request messages sent by the system	Per egtpc Session level	Standard
egtpc	tun-recv-cresess	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system.	This counter is incremented when create session request message is received by the system	Per egtpc Session level	Standard
egtpc	tun-recv-cresessNorsp	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system with cause No Response.	This counter is incremented when no response is received for create session request message	Per egtpc Service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-cresessDiscard	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system with cause Discard.	This counter is incremented when create session request message is Discarded.	Per egtpc Session level	Standard
egtpc	tun-recv-retranscresess	INT32	Incremental	active	The total number of tunnel - retransmitted create session request messages received by the system.	This counter is incremented when retransmitted create session request message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-cresessresp	INT32	Incremental	active	The total number of tunnel - create session response messages sent by the system.	This counter is incremented when create session response message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespaccept	INT32	Incremental	active	The total number of tunnel - create session response - accepted messages sent by the system.	This counter is incremented when create session response accepted message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system.	This counter is incremented when create sessoin response denied message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Context Not Found.	This counter is incremented when create session response denied message is sent by the system with cause Context Not Found	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid message format.	This counter is incremented when create session response denied message is sent by the system with cause Invalid Message Format	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedInvalidLength	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid Length.	This counter is incremented when create session response denied message is sent by the system with cause Invalid Length	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Mandatory IE incorrect.	This counter is incremented when create sessoin response denied message is sent by the system with cause Mandatory IE Incorrect	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedMandIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Mandatory IE missing.	This counter is incremented when create session response denied message is sent by the system with cause Mandatory IE Missing	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause No Resources Available.	This counter is incremented when create session response denied message is sent by the system with cause No Resources Available	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-cresessrespdeniedMissingUnknownApn	INT32	Incremental	active	The total number of tunnel - Create session response - denied messages sent by the system with cause Missing or Unknown APN	This counter is incremented when create session response denied message is sent by the system with cause Missing or Unknown APN	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedPrefPdnTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Pref Pdn Type Unsupported.	This counter is incremented when create sessin response denied message is sent by the system with cause Pref Pdn Type Unsupported	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause All dynamic address occupied.	This counter is incremented when create session response denied message is sent by the system with cause All dynamic address occupied	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedServiceDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Service Denied.	This counter is incremented when create session response denied message is sent by the system with cause service denied	Per service level	Standard
egtpc	tun-sent-cresessrespdeniedUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause User Auth Failed.	This counter is incremented when create session response denied message sent by the system with cause IUser Auth Failed	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedApnAccessDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause APN access denied.	This counter is incremented when create session response denied message is sent by the system with cause APN access denied	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedRequestRejected	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Request Rejected.	This counter is incremented when create session response denied message sent by the system with cause Request Rejected	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedCondIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Conditional IE missing.	This counter is incremented when create session response denied message is sent by the system with cause Conditional IE missing	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedApnRstTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause APN Restriction value Incompatible.	Increments when create session response is denied with reason Incompatible APN Restriction value	Per egtpc service level	Standard
egtpc	tun-sent-cresessrespdeniedImsiNotKnown	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause IMSI not known.	This counter is incremented when create session response denied message is sent by the system with cause IMSI not known	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-cresessrespdeniedOtherCause	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Other Cause	This counter is incremented when create session response denied message is sent by the system with cause other Cause	Per egtpc service level	Standard
egtpc	tun-sent-retranscresessresp	INT32	Incremental	active	The total number of tunnel - retransmitted create session response - messages sent by the system.	This counter is incremented when retransmitted create session response message is sent by the system	Per egtpc service	Standard
egtpc	tun-recv-cresessresp	INT32	Incremental	active	The total number of tunnel - create session response messages received by the system.	This counter is incremented when create session response message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-cresessrespDiscard	INT32	Incremental	active	The total number of tunnel - create session response messages received by the system with cause Discard.	This counter is incremented when create session response is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-cresessrespaccept	INT32	Incremental	active	The total number of tunnel - create session response - accepted messages received by the system.	This counter is incremented when create session response accepted message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-cresesssrespdenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages received by the system.	This counter is incremented when create session response denied message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-crebear	INT32	Incremental	active	The total number of tunnel - create bearer request messages sent by the system.	This counter is incremented when create bearer request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retranscrebear	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer request messages sent by the system.	This counter is incremented when retransmitted create bearer request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-crebear	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system.	This counter is incremented when create bearer request message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-crebearDiscard	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system with cause Discard.	This counter is incremented when create bearer request message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-crebearNorsp	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system with cause Norsp.	This counter is incremented when create bearer request message request message is received for which threre is no response	Per egtpc service level	Standard
egtpc	tun-recv-retranscrebear	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer request messages received by the system.	This counter is incremented when retransmitted create bearer request message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-crebearresp	INT32	Incremental	active	The total number of tunnel - create bearer response messages sent by the system.	This counter is incremented when create bearer response message is sent by the system	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-crebearrespaccept	INT32	Incremental	active	The total number of tunnel - create bearer response - accepted messages sent by the system.	This counter is incremented when create bearer response accepted message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-crebearrespdenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system.	This counter is incremented when create bearer resonse denied message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retranscrebearresp	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer response - messages sent by the system.	This counter is incremented when retransmitted create bearer response message is sent by the system	Per egtpc service_level	Standard
egtpc	tun-recv-crebearresp	INT32	Incremental	active	The total number of tunnel - create bearer response messages received by the system.	This counter is incremented when create bearer response message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespDiscard	INT32	Incremental	active	The total number of tunnel - create bearer response messages received by the system with cause Discard.	This counter is incremented when create bearer response message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespaccept	INT32	Incremental	active	The total number of tunnel - create bearer response - accepted messages received by the system.	This counter is incremented when create bearer response accepted messag is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system.	This counter is incremented when create bearer response denied message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Context Not Found.	This counter is incremented when create bearer response denied message is received by the system with cause Context Not Found	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedSvcNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause service not supported.	This counter is incremented when create bearer response denied message is received by the system with cause service not supported	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Invalid message format.	This counter is incremented when create bearer response denied message is received by the system with cause Invalid message format	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Mandatory IE incorrect.	This counter is incremented when create bearer response denied message is received by the system with cause Mandatory IE incorrect	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-crebearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Mandatory IE missing.	This counter is incremented when create bearer response denied message is received by the system with cause Mandatory IE missing	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Conditional IE missing.	This counte is incremented when create bearer response denied message is received by the system with cause Conditional IE missing	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause no resources available.	This counter is incremented when create bearer response denied message is received by the system with cause no resources available	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Semantic error in TFT.	This counter is incremented when create bearer response denied message is received by the system with cause Semantic error in TFT	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause syntactic error in TFT.	This counte is incremented when create bearer response denied message is received by the system with cause syntactic error in TFT	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Semantic error in pkt filter.	This counte is incremented when create bearer response denied message is received by the system with cause Semantic error in pkt filter	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Syntactic error in pkt filter.	This counter is incremented when create bearer response is denied message is received by the system with cause Syntactic error in plt filter	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedUnableToPageUE	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause unable to page UE.	This counter is incremented when create bearer response denied message is received by the system with cause unable to page UE	Per getpc service level	Standard
egtpc	tun-recv-crebearrespdeniedUENotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE not responding.	This counter is incremented when create bearer response denied message is received by the system with cause UE not responding	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause unable to page UE Suspend.	This counte is incremented when create bearer response denied message is received by the system with cause unable to page UE Suspend	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-crebearrespdeniedUERefuses	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE Refused.	This counter is incremented when create bearer response denied message is received by the system with cause UE refused	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedRequestRejected	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause request rejected.	This counter is incremented when create bearer response denied message is received by the system with cause request rejected	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedInvalidLenPiggybkMsg	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause invalid length of piggyback message.	This counter is incremented when create bearer response denied message is received by the system with invalid lenght of piggyback message	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause invalid remote peer reply.	This counter is incremented when create bearer response denied message is received by the system with cause invalid remote peer reply	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause peer not responding.	This counter is incremented when create bearer response denied message is received by the system with cause peer not responding	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause temporary reject due to handover in progress.	This counter is incremented when create bearer response denied message is received by the system with cause temporary reject due to handover in progress	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedDeniedInRat	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Denied in RAT.	This counter is incremented when create bearer response denied message is received by the system with cause Denied in RAT	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedRejDueToVplmnPolicy	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Denied due to Visiting PLMN Policy	This counter is incremented when create bearer response denied message is received by the system with cause Denied due to Visiting PLMN Policy	Per egtpc service level	Standard
egtpc	tun-recv-crebearrespdeniedUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Bearer Response - denied messages received by the system with the cause UE is temporarily not reachable due to power saving.	This counter is incremented when the Create Bearer Response denied message is received by the system with the cause UE is temporarily not reachable due to power saving.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-crebearrespdeniedOtherCause	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Other Causes.	This counter is incremented when create bearer response denied message is received by the system with cause other Causes	Per egtpc service level	Standard
egtpc	tun-sent-bearrescmd	INT32	Incremental	active	The total number of tunnel - bearer resource command messages sent by the system.	This counter is incremented when bearer resource command message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retransbearrescmd	INT32	Incremental	active	The total number of tunnel - retransmitted bearer resource command messages sent by the system.	This counter is incremented when retransmitted bearer resource command message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-bearrescmd	INT32	Incremental	active	The total number of tunnel - bearer resource command messages received by the system.	This counter is incremented when bearer resources command message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-bearrescmdDiscard	INT32	Incremental	active	The total number of tunnel - bearer resource command messages received by the system with cause Discard.	This counter is incremented when bearer resource command message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-bearrescmdNorsp	INT32	Incremental	active	The total number of tunnel - bearer resource command messages received by the system with cause No Response.	This counter is incremented when bearer resource command message is received by the system with cause No Response	Per egtpc service level	Standard
egtpc	tun-recv-retransbearrescmd	INT32	Incremental	active	The total number of tunnel - retransmitted bearer resource command messages received by the system.	This counter is incremented when retransmitted bearer resource command message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-bearrescmd-fail	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure messages sent by the system.	This counter is incremented when bearer resource command failure message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retransbearrescmd-fail	INT32	Incremental	active	The total number of tunnel - retransmitted bearer resource command - failure messages sent by the system.	This counter is incremented when bearer resource command failure message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-bearrescmd-fail	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure messages received by the system.	This counter is incremented when bearer resource command failure message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-bearrescmd-failDiscard	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure messages received by the system with cause Discard.	This counter is incremented when bearer resource command failure message is Discarded	Per egtpc service level	Standard
egtpc	tun-sent-modbearreq	INT32	Incremental	active	The total number of tunnel - modify bearer request messages sent by the system.	This counter is incremented when modify bearer request message is sent by the system	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-retransmodbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer request messages sent by the system.	This counter is incremented when retransmitted modify bearer request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-modbearreq	INT32	Incremental	active	The total number of tunnel - modify bearer request messages received by the system.	This counter is incremented when modify bearer request message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-modbearreqDiscard	INT32	Incremental	active	The total number of tunnel - modify bearer request messages received by the system with cause Discard.	This counter is incremented when modify bearer request message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-modbearreqNorsp	INT32	Incremental	active	The total number of tunnel - modify bearer request messages received by the system with cause No Response.	This counter is incremented when modify bearer request message is received by the system with cause No Response	Per egtpc service level	Standard
egtpc	tun-recv-retransmodbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer request messages received by the system.	This counter is incremented when retransmitted modify bearer request message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-modbearresp	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system.	This counter is incremented when modify bearer response message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-modbearrespaccept	INT32	Incremental	active	The total number of tunnel - modify bearer response - accepted messages sent by the system.	This counter is incremented when Modify bearer response accepted message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-modbearrespdenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system.	This counter is incremented when modify bearer response denied message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retransmodbearresp	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer response - messages sent by the system.	This counter is incremented when retransmitted modify bearer response message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-modbearresp	INT32	Incremental	active	The total number of tunnel - modify bearer response messages received by the system.	This counter is incremented when modify bearer response message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-modbearrespDiscard	INT32	Incremental	active	The total number of tunnel - modify bearer response messages received by the system with cause Discard.	This counter is incremented when modify bearer response message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-modbearrespaccept	INT32	Incremental	active	The total number of tunnel - modify bearer response - accepted messages received by the system.	This counter is incremented when modify bearer response accepted message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-modbearrespdenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages received by the system.	This counter is incremented when modify bearer response denied message is received by the system	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-delsessreq	INT32	Incremental	active	The total number of tunnel - delete session request messages sent by the system.	This counter is incremented when delete session request message is sent by the system.	Per egtpc service level	Standard
egtpc	tun-sent-retransdelsessreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete session request messages sent by the system.	This counter is incremented when retransmitted delete session request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-delsessreq	INT32	Incremental	active	The total number of tunnel - delete session request messages received by the system.	This counter is incremented when delete session request message is received by the system.	Per egtpc service level	Standard
egtpc	tun-recv-delsessreqDiscard	INT32	Incremental	active	The total number of tunnel - delete session request messages received by the system with cause Discard.	This counter is incremented when delete session request message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-delsessreqNorsp	INT32	Incremental	active	The total number of tunnel - delete session request messages received by the system with cause No Response.	This counter is incremented when delete session request message is received by the system with cause No Response	Per egtpc service level	Standard
egtpc	tun-recv-retransdelsessreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete session request messages received by the system.	This counter is incremented when retransmitted delete session request message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-retransdelsessreq	INT32	Incremental	active	request messages received by the system.	received by the system	Per egtpc service level	Standard
egtpc	tun-sent-delsessresp	INT32	Incremental	active	The total number of tunnel - delete session response messages sent by the system.	This counter is incremented when delete session response message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespaccept	INT32	Incremental	active	The total number of tunnel - delete session response - accepted messages sent by the system.	This counter is incremented when delete session response accepted message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system.	This counter is incremented when delete session response denied message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause context not found.	This counter is incremented when delete session response denied message is sent by the system with cause context not found	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid Message format.	This counter is incremented when delete session response denied message is sent by the system with cause Invalid Message format	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Mandatory IE Incorrect.	This counter is incremented when delete session response denied message is sent by the system with cause Mandatory IE Incorrect	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-delsessrespdeniedMandIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Mandatory IE missing.	This counter is incremented when delete session response denied message is sent by the system with cause Mandatory IE missing	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause No Resource Available.	This counter is incremented when delete session response denied message is sent by the system with cause No Resource Available	Per egtpc service level	Standard
egtpc	tun-sent-delsessrespdeniedOtherCause	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Other Cause.	This counter is incremented when delete session response denied message is sent by the system with cause Other Cause	Per egtpc service level	Standard
egtpc	tun-recv-delsessresp	INT32	Incremental	active	The total number of tunnel - delete session response messages received by the system.	This counter is incremented when delete session response message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-delsessrespDiscard	INT32	Incremental	active	The total number of tunnel - delete session response messages received by the system with cause Discard.	This counter is incremented when delete session response message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-delsessrespaccept	INT32	Incremental	active	The total number of tunnel - delete session response - accepted messages received by the system.	This counter is incremented when delete session response accepted message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-delsessrespdenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages received by the system.	This counter is incremented when delete session response denied message is received by the system	Per egtpc service level	Standard
egtpc	tun-sent-delbearreq	INT32	Incremental	active	The total number of tunnel - delete bearer request messages sent by the system.	This counter is incremented when delete bearer request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-sent-retransdelbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete bearer request messages sent by the system.	This counter is incremented when retransmitted delete bearer request message is sent by the system	Per egtpc service level	Standard
egtpc	tun-recv-delbearreq	INT32	Incremental	active	The total number of tunnel - delete bearer request messages received by the system.	This counter is incremented when delete bearer request message is received by the system	Per egtpc service level	Standard
egtpc	tun-recv-delbearreqDiscard	INT32	Incremental	active	The total number of tunnel - delete bearer request messages received by the system with cause Discard.	This counter is incremented when delete bearer request message is Discarded	Per egtpc service level	Standard
egtpc	tun-recv-delbearreqNorsp	INT32	Incremental	active	The total number of delete bearer request messages sent by the system for which we have not received any response.	This counter is incremented when Delete Bearer Request message is sent by system and we have not received any response.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-retransdelbearreq	INT32	Incremental	active	The total number of retransmitted delete bearer request messages received by the system.	This counter is incremented when retransmitted Delete Bearer Request message is received by system .	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearresp	INT32	Incremental	active	The total number of delete bearer response messages sent by the system.	This counter is incremented when Delete Bearer Response is sent by system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearrespaccept	INT32	Incremental	active	The total number of delete bearer response - accepted messages sent by the system.	This counter is incremented when Delete Bearer Response messages with accepted cause is sent by system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearrespdenied	INT32	Incremental	active	The total number of delete bearer response with Reject Response sent by system.	This counter is incremented when Delete Bearer Response with Reject Response sent by system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearresp	INT32	Incremental	active	The total number of delete bearer response messages received by the system.	This counter is incremented when Delete Bearer Response message is received by system .	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespDiscard	INT32	Incremental	active	The total number of delete bearer response messages received by the system for which we dont have any transaction.	This counter is incremented when Delete Bearer Response message is received by system for which we dont have any transaction.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespaccept	INT32	Incremental	active	The total number of delete bearer response - accepted messages received by the system.	This counter is incremented when Delete Bearer Response message with accepted cause is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdenied	INT32	Incremental	active	The total number of delete bearer response with Reject Response received by the system.	This counter is incremented when Delete Bearer Response with Reject Response is received by system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of delete bearer response -messages received by the system with reject cause context not found.	This counter is incremented when Delete Bearer Response message is received by system with cause context not found.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with reject cause invalid message format.	This counter is incremented when Delete Bearer Response message is received by system with cause invalid message format.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause mandatory IE incorrect.	This counter is incremented when Delete Bearer Response message is received by system with cause mandatory IE incorrect.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-delbearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause mandatory IE missing.	This counter is incremented when Delete Bearer Response message is received by system with cause mandatory IE missing.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause conditional IE missing.	This counter is incremented when Delete Bearer Response message is received by system with cause conditional IE missing.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause no resources available.	This counter is incremented when Delete Bearer Response message is received by system with cause no resources available.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedRequestRejected	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause request rejected.	This counter is incremented when Delete Bearer Response message is received by system with cause request rejected.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause unable to page UE Suspend.	This counter is incremented when Delete Bearer Response message is received by system with cause unable to page UE Suspend.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause invalid remote peer reply.	This counter is incremented when Delete Bearer Response message is received by system with cause invalid remote peer reply.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause peer not responding.	This counter is incremented when Delete Bearer Response message is received by system with cause peer not responding.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause temporary reject due to handover in progress.	This counter is incremented when Delete Bearer Response message is received by system with cause temporary reject due to handover in progress.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearrespdeniedOtherCause	INT32	Incremental	active	The total number of delete bearer response - denied messages received by the system with cause other cause.	This counter is incremented when Delete Bearer Response message is received by system with cause other .	Per EGTPC service instance	Standard
egtpc	tun-sent-dlinknotif	INT32	Incremental	active	The total number of downlink data notification request messages sent by the system.	This counter is incremented when downlink data notification request messages sent by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-retransdlinknotif	INT32	Incremental	active	The total number of retransmitted downlink data notification request messages sent by the system.	This counter is incremented when retransmitted downlink data notification request messages sent by the system	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotif	INT32	Incremental	active	The total number of downlink data notification request messages received by the system.	This counter is incremented when downlink data notification request messages received by the system	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifDiscard	INT32	Incremental	active	The total number of downlink data notification request messages discarded by the system .	This counter is incremented when downlink data notification request messages is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifNorsp	INT32	Incremental	active	The total number of downlink data notification request messages sent by the system for which we have not received any response.	This counter is incremented when downlink data notification request messages sent by the system and we have not received any response.	Per EGTPC service instance	Standard
egtpc	tun-recv-retransdlinknotif	INT32	Incremental	active	The total number of retransmitted downlink data notification request messages received by the system.	This counter is incremented when retransmitted downlink data notification request messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifack	INT32	Incremental	active	The total number of downlink data notification acknowledgement messages received by the system.	This counter is incremented when downlink data notification acknowledgement messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-dlinknotifack	INT32	Incremental	active	The total number of downlink data notification acknowledgement messages sent by the system.	This counter is incremented when downlink data notification acknowledgement messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifackDiscard	INT32	Incremental	active	The total number of downlink data notification acknowledgement messages discarded by the system.	This counter is incremented when downlink data notification acknowledgement message is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifackaccept	INT32	Incremental	active	The total number of downlink data notification acknowledgement accepted messages received by the system.	This counter is incremented when downlink data notification acknowledgement messages with accepted cause is received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-dlinknotifackaccept	INT32	Incremental	active	The total number of downlink data notification acknowledgement accepted messages sent by the system.	This counter is incremented when downlink data notification acknowledgement messages with accepted cause is sent by the system	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinknotifackdenied	INT32	Incremental	active	The total number of downlink data notification acknowledgement denied messages received by the system.	This counter is incremented when downlink data notification acknowledgement denied messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-dlinknotifackdenied	INT32	Incremental	active	The total number of downlink data notification acknowledgement denied messages sent by the system.	This counter is incremented when downlink data notification acknowledgement denied messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-dlinkdatafail	INT32	Incremental	active	The total number of downlink data failure messages sent by the system.	This counter is incremented when downlink data failure messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinkdatafail	INT32	Incremental	active	The total number of downlink data failure messages received by the system.	This counter is incremented when downlink data failure messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-dlinkdatafailDiscard	INT32	Incremental	active	The total number of downlink data failure messages discarded by the system.	This counter is incremented when downlink data failure message is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-relaccbearreq	INT32	Incremental	active	The total number of release access bearers request messages sent by the system.	This counter is incremented when release access bearers request messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransrelaccbearreq	INT32	Incremental	active	The total number of retransmitted release access bearers request messages sent by the system.	This counter is incremented when retransmitted release access bearers request messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearreq	INT32	Incremental	active	The total number of release access bearers request messages received by the system.	This counter is incremented when release access bearers request messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearreqDiscard	INT32	Incremental	active	The total number of release access bearers request messages discarded by the system.	This counter is incremented when release access bearers request messages is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearreqNorsp	INT32	Incremental	active	The total number of release access bearers request messages sent by the system for which we have not received any response.	This counter is incremented when release access bearers request message is sent by the system and we have not received any response.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-retransrelaccbearreq	INT32	Incremental	active	The total number of retransmitted release access bearers request messages received by the system.	This counter is incremented when retransmitted release access bearers request messages is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-relaccbearresp	INT32	Incremental	active	The total number of release access bearers response messages sent by the system.	This counter is incremented when release access bearers response messages sent by the system	Per EGTPC service instance	Standard
egtpc	tun-sent-relaccbearrespaccept	INT32	Incremental	active	The total number of release access bearers response accepted messages sent by the system.	This counter is incremented when release access bearers response messages with accepted cause is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-relaccbearrespdenied	INT32	Incremental	active	The total number of release access bearers response messages sent by the system with Reject Response.	This counter is incremented when release access bearers response messages sent by the system with Reject Response.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransrelaccbearresp	INT32	Incremental	active	The total number of retransmitted release access bearers response messages sent by the system.	This counter is incremented when retransmitted release access bearers response messages sent by the system	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearresp	INT32	Incremental	active	The total number of release access bearers response messages received by the system.	This counter is incremented when release access bearers response messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearrespDiscard	INT32	Incremental	active	The total number of release access bearers response messages discarded by the system.	This counter is incremented when release access bearers response messages discarded by the system as no transaction is found.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearrespaccept	INT32	Incremental	active	The total number of release access bearers response accepted messages received by the system.	This counter is incremented when release access bearers response messages with accepted cause is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-relaccbearrespdenied	INT32	Incremental	active	The total number of release access bearers response messages received by the system with reject cause.	This counter is incremented when release access bearers response message is received by the system with reject cause.	Per EGTPC service instance	Standard
egtpc	tun-recv-upduplanereq	INT32	Incremental	Obsolete	The total number of update user plane request messages received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-recv-retransupduplanereq	INT32	Incremental	Obsolete	The total number of update user plane retranmission request messages received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-upduplaneresp	INT32	Incremental	Obsolete	The total number of update user plane response messages sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-upduplanerespaccept	INT32	Incremental	Obsolete	The total number of update user plane response messages with cause accepted sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-upduplanerespdenied	INT32	Incremental	Obsolete	The total number of update user plane response messages with cause denied sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-modbearcmd	INT32	Incremental	active	The total number of modify bearer command messages sent by the system.	This counter is incremented when modify bearer command messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransmodbearcmd	INT32	Incremental	active	The total number of retransmitted modify bearer command messages sent by the system.	This counter is incremented when modify bearer command messages is retransmitted by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearcmd	INT32	Incremental	active	The total number of modify bearer command messages received by the system.	This counter is incremented when modify bearer command messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearcmdDiscard	INT32	Incremental	active	The total number of modify bearer command messages discarded by the system.	This counter is incremented when modify bearer command message is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearcmdNorsp	INT32	Incremental	active	The total number of modify bearer command messages sent by the system for which we have not received any response.	This counter is incremented when modify bearer command messages sent by the system and we have not received any response.	Per EGTPC service instance	Standard
egtpc	tun-recv-retransmodbearcmd	INT32	Incremental	active	The total number of retransmitted modify bearer command messages received by the system.	This counter is incremented when retransmitted modify bearer command messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-modbearfail	INT32	Incremental	active	The total number of modify bearer command - failure indication messages sent by the system.	This counter is incremented when modify bearer command - failure indication messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransmodbearfail	INT32	Incremental	active	The total number of retransmitted modify bearer command - failure indication messages sent by the system.	This counter is incremented when retransmitted modify bearer command - failure indication message is retransmitted by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearfail	INT32	Incremental	active	The total number of modify bearer command - failure indication messages received by the system.	This counter is incremented when modify bearer command - failure indication messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearfailDiscard	INT32	Incremental	active	The total number of modify bearer command - failure indication messages discarded by the system. In Release 17.1 and later, this statistic is deprecated.	This counter is incremented when modify bearer command - failure indication message is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearcmd	INT32	Incremental	active	The total number of delete bearer command messages sent by the system.	This counter is incremented when delete bearer command messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelbearcmd	INT32	Incremental	active	The total number of retransmitted delete bearer command messages sent by the system.	This counter is incremented when delete bearer command message is retransmitted by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-delbearcmd	INT32	Incremental	active	The total number of delete bearer command messages received by the system.	This counter is incremented when delete bearer command messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearcmdDiscard	INT32	Incremental	active	The total number of delete bearer command messages discarded by the system.	This counter is incremented when delete bearer command messages is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearcmdNorsp	INT32	Incremental	active	The total number of delete bearer command messages sent by the system for which for which we have not received any response.	This counter is incremented when delete bearer command sent by the system and we have not received any response.	Per EGTPC service instance	Standard
egtpc	tun-recv-retransdelbearcmd	INT32	Incremental	active	The total number of retransmitted delete bearer command messages received by the system.	This counter is incremented when retransmitted delete bearer command messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearfail	INT32	Incremental	active	The total number of delete bearer command - failure indication messages sent by the system.	This counter is incremented when delete bearer command - failure indication messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelbearfail	INT32	Incremental	active	The total number of retransmitted delete bearer command - failure indication messages sent by the system. In Release 17.1 and later, this statistic is deprecated.	This counter is incremented when retransmitted delete bearer command - failure indication messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearfail	INT32	Incremental	active	The total number of delete bearer - failure indication messages received by the system.	This counter is incremented when delete bearer - failure indication messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delbearfailDiscard	INT32	Incremental	active	The total number of delete bearer- failure indication messages discarded by the system.	This counter is incremented when delete bearer messages failure discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-retransdelbearfail	INT32	Incremental	Obsolete	The total number of retransmitted delete bearer- failure indication messages discarded by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearreq	INT32	Incremental	active	The total number of update bearer request messages sent by the system.	This counter is incremented when update bearer request messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransupdbearreq	INT32	Incremental	active	The total number of retransmitted update bearer request messages sent by the system.	This counter is incremented when retransmitted update bearer request messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearreq	INT32	Incremental	active	The total number of update bearer request messages received by the system.	This counter is incremented when update bearer request messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearreqDiscard	INT32	Incremental	active	The total number of update bearer request messages discarded by the system.	This counter is incremented when update bearer request message is discarded by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-updbearreqNorsp	INT32	Incremental	active	The total number of update bearer request messages sent by the system for which for which we have not received any response.	This counter is incremented when update bearer request message is sent by the system and we have not received any response.	Per EGTPC service instance	Standard
egtpc	tun-recv-retransupdbearreq	INT32	Incremental	active	The total number of retransmitted update bearer request messages received by the system.	This counter is incremented when retransmitted update bearer request messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearresp	INT32	Incremental	active	The total number of update bearer response messages sent by the system.	This counter is incremented when update bearer response messages sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearrespaccept	INT32	Incremental	active	The total number of update bearer response - accepted messages sent by the system.	This counter is incremented when update bearer response messages with accepted cause is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearrespdenied	INT32	Incremental	active	The total number of update bearer response - messages sent by the system for which we dont have any transaction.	This counter is incremented when update bearer response - denied messages sent by the system for which we dont have any transaction.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearresp	INT32	Incremental	active	The total number of update bearer response messages received by the system.	This counter is incremented when update bearer response messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespDiscard	INT32	Incremental	active	The total number of update bearer response messages discarded by the system.	This counter is incremented when update bearer response messages discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespaccept	INT32	Incremental	active	The total number of update bearer response - accepted messages received by the system.	This counter is incremented when update bearer response messages with accepted cause is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdenied	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system.	This counter is incremented when update bearer response - denied messages received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of update bearer response - messages received by the system with cause context not found.	This counter is incremented when update bearer response - denied messages received by the system with cause context not found.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause invalid message format.	This counter is incremented when update bearer response - denied messages received by the system with cause invalid message format.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-updbearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause mandatory IE incorrect.	This counter is incremented when update bearer response - denied messages received by the system with cause mandatory IE incorrect.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause mandatory IE missing.	This counter is incremented when update bearer response - denied messages received by the system with cause mandatory IE missing.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause no resources available.	This counter is incremented when update bearer response - denied messages received by the system with cause no resources available.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedSemanticErrinTFT	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause semantic Error in TFT.	This counter is incremented when update bearer response - denied messages received by the system with cause semantic Error in TFT.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedSyntacticErrinTFT	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause Syntactic Error in TFT.	This counter is incremented when update bearer response - denied messages received by the system with cause Syntactic Error in TFT.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedSemanticErrinPktFltr	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause semantic error in pkt filter.	This counter is incremented when update bearer response - denied messages received by the system with cause semantic error in pkt filter.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedSyntacticErrinPktFltr	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause Syntactic error in pkt filter.	This counter is incremented when update bearer response - denied messages received by the system with cause semantic error in pkt filter.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedUENotResponding	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause UE not responding.	This counter is incremented when update bearer response - denied messages received by the system with cause UE not responding.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedUERefuses	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause UE Refuses.	This counter is incremented when update bearer response - denied messages received by the system with cause UE Refuses.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-updbearrespdeniedUnableToPageUE	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause unable to page UE suspend.	This counter is incremented when update bearer response - denied messages received by the system with cause unable to page UE suspend.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedRequestRejected	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause Request rejected.	This counter is incremented when update bearer response - denied messages received by the system with cause Request rejected.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause unable to page UE suspend.	This counter is incremented when update bearer response - denied messages received by the system with cause unable to page UE suspend.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause conditional IE missing.	This counter is incremented when update bearer response - denied messages received by the system with cause conditional IE missing.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause invalid remote peer reply.	This counter is incremented when update bearer response - denied messages received by the system with cause invalid remote peer reply.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause peer not responding.	This counter is incremented when update bearer response - denied messages received by the system with cause peer not responding.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause temporary reject due to handover in progress.	This counter is incremented when update bearer response - denied messages received by the system with cause temporary reject due to handover in progress.	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearrespdeniedRejDueToVplmnPolicy	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause reject due to Visting PLMN Policy	This counter is incremented when update bearer response - denied messages received by the system with cause reject due to Visiting PLMN Policy	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-updbearrespdeniedUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of Update Bearer Response - denied messages received by the system with the cause UE is temporarily not reachable due to power saving.	This counter is incremented when the Update Bearer Response - denied messages received by the system with the cause UE is temporarily not reachable due to power saving.	Per egtpc service level	Standard
egtpc	tun-recv-updbearrespdeniedOtherCause	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system with cause Other cause.	This counter is incremented when update bearer response - denied messages received by the system with cause Other.	Per EGTPC service instance	Standard
egtpc	tun-sent-deactbear	INT32	Incremental	Obsolete	The total number of deactivate bearer sent by the system.	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-recv-deactbear	INT32	Incremental	Obsolete	The total number of deactivate bearer received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-deactbearfail	INT32	Incremental	Obsolete	The total number of deactivate bearer with cause fail sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-recv-deactbearfail	INT32	Incremental	Obsolete	The total number of deactivate bearer with cause fail received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	tun-sent-creinddatafwdngreq	INT32	Incremental	active	The total number of create indirect forwarding tunnel requests sent by the system.	This counter is incremented when create indirect forwarding tunnel requests sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranscreinddatafwdngreq	INT32	Incremental	active	The total number of retransmitted create indirect forwarding tunnel requests sent by the system.	This counter is incremented when retransmitted create indirect forwarding tunnel requests sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngreq	INT32	Incremental	active	The total number of create indirect forwarding tunnel requests, received by the system.	This counter is incremented when create indirect forwarding tunnel requests received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngreqDiscard	INT32	Incremental	active	The total number of create indirect forwarding tunnel requests, discarded by the system.	This counter is incremented when create indirect forwarding tunnel requests discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngreqNorsp	INT32	Incremental	active	The total number of create indirect forwarding tunnel requests received by the system for which no response has been recieved.	This counter is incremented when create indirect forwarding tunnel request message is sent by system for which no response has been recieved.	Per EGTPC service instance	Standard
egtpc	tun-recv-retranscreinddatafwdngreq	INT32	Incremental	active	The total number of retransmit create indirect forwarding tunnel requests received by the system.	This counter is incremented when retransmited create indirect forwarding tunnel request is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-creinddatafwdngrsp	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses sent by the system.	This counter is incremented when create indirect forwarding tunnel response is sent by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-creinddatafwdngrspaccept	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses sent by the system with cause accepted.	This counter is incremented when create indirect forwarding tunnel response is sent by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-sent-creinddatafwdngrspdenied	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses denied by the system.	This counter is incremented when create indirect forwarding tunnel response is denied by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranscreinddatafwdngrsp	INT32	Incremental	active	The total number of retransmitted create indirect forwarding tunnel responses sent by the system.	This counter is incremented when retransmitted create indirect forwarding tunnel response is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngrsp	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses received by the system.	This counter is incremented when create indirect forwarding tunnel response is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngrspDiscard	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses discarded by the system.	This counter is incremented when create indirect forwarding tunnel response is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngrspaccept	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses accepted received by the system.	This counter is incremented when create indirect forwarding tunnel response is received by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-recv-creinddatafwdngrspdenied	INT32	Incremental	active	The total number of create indirect forwarding tunnel responses received by the system.	This counter is incremented when create indirect forwarding tunnel response is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delinddatafwdngreq	INT32	Incremental	active	The total number of delete indirect forwarding tunnel requests sent by the system.	This counter is incremented when delete indirect forwarding tunnel request is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelinddatafwdngreq	INT32	Incremental	active	The total number of retransmitted delete indirect forwarding tunnel requests sent by the system.	This counter is incremented when retransmitted delete indirect forwarding tunnel request is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngreq	INT32	Incremental	active	The total number of delete indirect forwarding tunnel requests received by the system.	This counter is incremented when delete indirect forwarding tunnel request is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngreqDiscard	INT32	Incremental	active	The total number of delete indirect forwarding tunnel requests discarded by the system.	This counter is incremented when delete indirect forwarding tunnel request is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngreqNorsp	INT32	Incremental	active	The total number of delete indirect forwarding tunnel requests sent by the system for which no response has been recieved.	This counter is incremented when delete indirect forwarding tunnel request is sent by the system for which no response has been recieved.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-retransdelinddatafwdngreq	INT32	Incremental	active	The total number of retransmitted delete indirect forwarding tunnel requests received by the system.	This counter is incremented when retransmitted delete indirect forwarding tunnel request is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delinddatafwdngrsp	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses sent by the system.	This counter is incremented when delete indirect forwarding tunnel response is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelinddatafwdngrsp	INT32	Incremental	active	The total number of retransmitted delete indirect forwarding tunnel responses sent by the system.	This counter is incremented when retransmitted delete indirect forwarding tunnel response is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delinddatafwdngrspaccept	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses sent by the system with cause accepted.	This counter is incremented when delete indirect forwarding tunnel response is sent by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-sent-delinddatafwdngrspdenied	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses denied by the system.	This counter is incremented when delete indirect forwarding tunnel response is denied by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngrsp	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses received by the system.	This counter is incremented when delete indirect forwarding tunnel response is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngrspDiscard	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses discarded by the system.	This counter is incremented when delete indirect forwarding tunnel responses discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngrspaccept	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses received by the system with cause accepted.	This counter is incremented when delete indirect forwarding tunnel response is received by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-recv-delinddatafwdngrspdenied	INT32	Incremental	active	The total number of delete indirect forwarding tunnel responses received by the system with Reject Response	This counter is incremented when delete indirect forwarding tunnel response is received by the system with Reject Response	Per EGTPC service instance	Standard
egtpc	tun-sent-changenotfreq	INT32	Incremental	active	The total number of change notification requests, sent by the system.	This counter is incremented when change notification request is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranschangenotfreq	INT32	Incremental	active	The total number of retransmitted change notification request is sent by the system.	This counter is incremented when retransmitted change notification requests sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfreq	INT32	Incremental	active	The total number of change notification requests received by the system.	This counter is incremented when change notification request is received by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-changenotfreqDiscard	INT32	Incremental	active	The total number of change notification requests discarded by the system.	This counter is incremented when change notification request is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfreqNorsp	INT32	Incremental	active	The total number of change notification requests received by the system for which no response has been recieved.	This counter is incremented when change notification request is received by the system for which no response has been recieved.	Per EGTPC service instance	Standard
egtpc	tun-recv-retranschangenotfreq	INT32	Incremental	active	The total number of retransmitted change notification requests received by the system.	This counter is incremented when retransmitted change notification request is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-changenotfresp	INT32	Incremental	active	The total number of change notification responses, sent by the system.	This counter is incremented when change notification response is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-changenotfrespaccept	INT32	Incremental	active	The total number of change notification responses, sent by the system with cause accepted.	This counter is incremented when change notification response is sent by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-sent-changenotfrespdenied	INT32	Incremental	active	The total number of change notification responses, sent by the system with reject responses.	This counter is incremented when change notification response is sent by the system with reject responses.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranschangenotfresp	INT32	Incremental	active	The total number of retransmitted change notification responses, sent by the system.	This counter is incremented when retransmitted change notification response is sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfresp	INT32	Incremental	active	The total number of change notification responses, received by the system.	This counter is incremented when change notification response is received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfrespDiscard	INT32	Incremental	active	The total number of change notification responses discarded by the system.	This counter is incremented when change notification response is discarded by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfrespaccept	INT32	Incremental	active	The total number of change notification responses received by the system with cause accepted.	This counter is incremented when change notification response is received by the system with cause accepted.	Per EGTPC service instance	Standard
egtpc	tun-recv-changenotfrespdenied	INT32	Incremental	active	The total number of change notification responses received by the system with reject response.	This counter is incremented when change notification response is received by the system with reject response.	Per EGTPC service instance	Standard
egtpc	tun-sent-stoppagingind	INT32	Incremental	active	The total number of Stop paging indications sent by the system.	This counter is incremented when Stop paging indications sent by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-recv-stoppagingind	INT32	Incremental	active	The total number of Stop paging indications received by the system.	This counter is incremented when Stop paging indications received by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-pgwRstnotfreq	INT32	Incremental	active	The total number of PGW Restart Notification sent by the system. In Release 17.1 and later, this statistic is deprecated.	This counter is incremented when PGW Restart Notification sent by the system	Per EGTPC service instance	Standard
egtpc	tun-sent-retranspgwRstnotfreq	INT32	Incremental	active	The total number of retransmitted PGW Restart Notification sent by the system.	This counter is incremented when retransmitted PGW Restart Notification sent by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-pgwRstnotfackp	INT32	Incremental	active	The total number of PGW Restart Notification Acknowledgement received by the system.	This counter is incremented when PGW Restart Notification Acknowledgement received by the system.	Per EGTPC service instance	Standard
egtpc	tun-recv-pgwRstnotfackpaccept	INT32	Incremental	active	The total number of PGW Restart Notification Acknowledgement received by the system with cause Accept.	This counter is incremented when PGW Restart Notification Acknowledgement received by the system with cause Accept.	Per EGTPC service instance	Standard
egtpc	tun-recv-pgwRstnotfackpdenied	INT32	Incremental	active	The total number of PGW Restart Notification Acknowledgement received by the system with reject response.	This counter is incremented when PGW Restart Notification Acknowledgement received by the system with reject response.	Per EGTPC service instance	Standard
egtpc	tun-recv-discardPgwRstnotfack	INT32	Incremental	active	The total number of PGW Restart Notification Acknowledgement discarded by the system.	This counter is incremented when PGW Restart Notification Acknowledgement discarded by the system.	Per EGTPC service instance	Standard
egtpc	csfb-sent-suspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages sent by this service.	This counter is incremented when Circuit-Switched Fallback suspend notification messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-retranssuspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted suspend notification messages sent by this service.	This counter is incremented when retransmitted Circuit-Switched Fallback suspend notification messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-suspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages received by this service.	This counter is incremented when Circuit-Switched Fallback suspend notification messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-suspendnotfDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages discarded by this service.	This counter is incremented when Circuit-Switched Fallback suspend notification messages discarded by this service.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	csfb-recv-suspendnotfNorsp	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages received by this service for which no response has been recieved.	This counter is incremented when Circuit-Switched Fallback suspend notification messages received by this service for which no response has been recieved.	Per EGTPC service instance	Standard
egtpc	csfb-recv-retranssuspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted suspend notification messages received by this service.	This counter is incremented when Circuit-Switched Fallback retransmitted suspend notification messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-suspendack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement messages sent by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-suspendackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement accepted messages sent by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement accepted messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-suspendackdenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement denied messages sent by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement denied messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-suspendack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement messages received by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-suspendackDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement messages discarded by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages discareded by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-suspendackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement accepted messages received by this service.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages received by this service with cause accepted.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	csfb-recv-suspenddenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement messages received by this service with reject response.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages received by this service with reject response.	Per EGTPC service instance	Standard
egtpc	csfb-sent-resumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages sent by this service.	This counter is incremented when Circuit-Switched Fallback resume notification messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-retransresumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted resume notification messages sent by this service.	This counter is incremented when Circuit-Switched Fallback retransmitted resume notification messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages received by this service.	This counter is incremented when Circuit-Switched Fallback resume notification messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumenotfDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages discarded by this service.	This counter is incremented when resume notification message is discarded by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumenotfNorsp	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages received by this service for which no response has been recieved.	This counter is incremented when Circuit-Switched Fallback resume notification messages received by this service for which no response has been recieved.	Per EGTPC service instance	Standard
egtpc	csfb-recv-retransresumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted resume notification messages received by this service.	This counter is incremented when retransmitted resume notification messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-resumeack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement message sent by this service.	This counter is incremented when resume acknowledgement message sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-resumeackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement accepted messages sent by this service.	This counter is incremented when Circuit-Switched Fallback resume acknowledgement accepted messages sent by this service.	Per EGTPC service instance	Standard
egtpc	csfb-sent-resumeackdenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement messages sent by this service with reject response.	This counter is incremented when resume acknowledgement messages sent by this service with reject response.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	csfb-recv-resumeack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement message received by this service.	This counter is incremented when Circuit-Switched Fallback resume acknowledgement message received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumeackDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement messages discarded by this service .	This counter is incremented when Circuit-Switched Fallback resume acknowledgement message is discarded by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumeackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement accepted messages received by this service.	This counter is incremented when Circuit-Switched Fallback resume acknowledgement accepted messages received by this service.	Per EGTPC service instance	Standard
egtpc	csfb-recv-resumedenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement denied messages received by this service.	This counter is incremented when Circuit-Switched Fallback resume acknowledgement denied messages received by this service.	Per EGTPC service instance	Standard
egtpc	tun-sent-crebear-throttle-succeed	INT32	Incremental	active	The total number of create bearer - throttle - messages sent by the system with cause succeed.	This counter is incremented when create bearer throttle messages sent by the system with cause succeed.	Per EGTPC service instance	Standard
egtpc	tun-sent-crebear-throttle-queued	INT32	Incremental	active	The total number of create bearer throttle messages queued by the system.	This counter is incremented when create bearer throttle message is queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-crebear-throttle-dropped	INT32	Incremental	active	The total number of create bearer throttle messages dropped by the system.	This counter is incremented when create bearer throttle message is dropped by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranscrebear-throttle-succeed	INT32	Incremental	active	The total number of retransmitted create bearer throttle messages sent by the system with cause succeed.	This counter is incremented when retransmitted create bearer throttle messages sent by the system with cause succeed.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranscrebear-throttle-queued	INT32	Incremental	active	The total number of retransmitted create bearer throttle messages queued by the system.	This counter is incremented when retransmitted create bearer throttle messages queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retranscrebear-throttle-dropped	INT32	Incremental	active	The total number of retransmitted create bearer throttle messages dropped by the system.	This counter is incremented when retransmitted create bearer throttle messages dropped by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearreq-throttle-succeed	INT32	Incremental	active	The total number of update bearer request throttle messages sent by the system with cause succeed.	This counter is incremented when update bearer request throttle messages sent by the system with cause succeed.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-updbearreq-throttle-queued	INT32	Incremental	active	The total number of update bearer request throttle messages queued by the system.	This counter is incremented when update bearer request throttle messages queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearreq-throttle-dropped	INT32	Incremental	active	The total number of update bearer request throttle messages dropped by the system.	This counter is incremented when update bearer request throttle messages dropped by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransupdbearreq-throttle-succeed	INT32	Incremental	active	The total number of retransmitted update bearer request throttle messages sent by the system with cause succeed	This counter is incremented when retransmitted update bearer request throttle messages sent by the system with cause succeed	Per EGTPC service instance	Standard
egtpc	tun-sent-retransupdbearreq-throttle-queued	INT32	Incremental	active	The total number of retransmitted update bearer request throttle messages queued by the system.	This counter is incremented when retransmitted update bearer request throttle messages are queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransupdbearreq-throttle-dropped	INT32	Incremental	active	The total number of retransmitted update bearer request throttle messages dropped by the system.	This counter is incremented when retransmitted update bearer request throttle messages are dropped by the system	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearreq-throttle-succeed	INT32	Incremental	active	The total number of delete bearer request throttle messages sent by the system with cause succeed.	This counter is incremented when delete bearer request throttle messages sent by the system with cause succeed.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearreq-throttle-queued	INT32	Incremental	active	The total number of delete bearer request throttle messages queued by the system.	This counter is incremented when delete bearer request throttle messages queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-delbearreq-throttle-dropped	INT32	Incremental	active	The total number of delete bearer request throttle messages dropped by the system.	This counter is incremented when delete bearer request throttle messages dropped by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelbearreq-throttle-succeed	INT32	Incremental	active	The total number of retransmitted delete bearer request throttle messages sent by the system with cause succeed.	This counter is incremented when delete bearer request throttle messages sent by the system with cause succeed.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelbearreq-throttle-queued	INT32	Incremental	active	The total number of retransmitted delete bearer request throttle messages queued by the system.	This counter is incremented when retransmitted delete bearer request throttle messages queued by the system.	Per EGTPC service instance	Standard
egtpc	tun-sent-retransdelbearreq-throttle-dropped	INT32	Incremental	active	The total number of retransmitted delete bearer request throttle messages dropped by the system.	This counter is incremented when retransmitted delete bearer request throttle messages dropped by the system.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	msgs-inc-rate-limited	INT32	Incremental	active	Total number of incoming messages rate limited.	This counter is incremented when any GTP new call incoming message is rate limited(added into queue for processing) in egtpinmgr	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-scheduled	INT32	Incremental	active	Total number of new call incoming messages successfully dequeued/scheduled from the egtpinmgr rate limit queue	This counter is incremented when any GTP new call incoming message is rate limited in egtpinmgr and then scheduled/dequeued from egtpinmgr rate limit queue	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-curr-queued	INT32	Incremental	active	Total number of incoming messages queued.	This counter is incremented when any GTP new call incoming message is rate limited and added to pacing queue. This counter will be decremented when the new call message is dequeued from the pacing queue	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-drop-queue	INT32	Incremental	active	Total number of incoming messages dropped from rate limit pacing queue(egtpinmgr) due to queuing delay of that messages exceeding the max wait time.	This counter is incremented when any GTP new call incoming message is rate limited and dropped from pacing queue due to queuing delay of that messages exceeding the max wait time	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-drop-queue-full	INT32	Incremental	active	Total number of messages that were not enqueued in the demuxmgr pacing queue as the queue was full. All such messages are silently dropped.	This counter is incremented when any GTP new call incoming message is dropped with a reason of queue full	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-drop-rate-exceed	INT32	Incremental	active	Total number of messages that were not enqueued in the demuxmgr pacing queue as the msg-rate was exceeded, that is, no more tokens were available for that second. All such messages are silently dropped.	This counter is incremented when any GTP new call incoming message is dropped from queue due to queuing delay of that messages exceeding the max wait time	Per EGTPC service instance	Standard
egtpc	msgs-inc-rl-throttled	INT32	Incremental	active	Total number of incoming throttled messages.	This counter is incremented when any GTP new call incoming message is rate limited and discarded(did not join pacing queue/dropped from pacing queue/not enqueued because max rate exceeded)	Per EGTPC service instance	Standard
egtpc	OutSigPktS5S8PGW	INT32	Incremental	active	The total number of outgoing signalling packets over the S5/S8 interface of P-GW.	This counter is incremented when signaling packets are sent over S5/S8 interface by P-GW	Per EGTPC service instance	Standard
egtpc	IncSigPktS5S8PGW	INT32	Incremental	active	The total number of incoming signalling packets over the S5/S8 interface of P-GW.	This counter is incremented when signaling packets are received over S5/S8 interface by P-GW	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	OutSigOctS5S8PGW	INT32	Incremental	active	The total number of outgoing signalling octets over the S5/S8 interface of P-GW.	This counter is incremented when signaling octets are sent over S5/S8 interface by P-GW	Per EGTPC service instance	Standard
egtpc	IncSigOctS5S8PGW	INT32	Incremental	active	The total number of incoming signalling octets over the S5/S8 interface of P-GW.	This counter is incremented when signaling octets are received over S5/S8 interface by P-GW	Per EGTPC service instance	Standard
egtpc	OutSigPktS5S8SGW	INT32	Incremental	active	The total number of outgoing signalling packets over the S5/S8 interface of S-GW.	This counter is incremented when signaling packets are sent over S5/S8 interface by S-GW	Per EGTPC service instance	Standard
egtpc	IncSigPktS5S8SGW	INT32	Incremental	active	The total number of incoming signalling packets over the S5/S8 interface of S-GW.	This counter is incremented when signaling packets are received over S5/S8 interface by S-GW	Per EGTPC service instance	Standard
egtpc	OutSigOctS5S8SGW	INT32	Incremental	active	The total number of outgoing signalling octets over the S5/S8 interface of S-GW.	This counter is incremented when signaling octets are sent over S5/S8 interface by S-GW	Per EGTPC service instance	Standard
egtpc	IncSigOctS5S8SGW	INT32	Incremental	active	The total number of incoming signalling octets over the S5/S8 interface of S-GW.	This counter is incremented when signaling octets are received over S5/S8 interface by S-GW	Per EGTPC service instance	Standard
egtpc	OutSigPktS11S4SGW	INT32	Incremental	active	The total number of outgoing signalling packets over the S11 and/or S4 interface of S-GW.	This counter is incremented when signaling packets are sent over the S11 and/or S4 interface by S-GW	Per EGTPC service instance	Standard
egtpc	IncSigPktS11S4SGW	INT32	Incremental	active	The total number of incoming signalling packets over the S11 and/or S4 interface of S-GW.	This counter is incremented when signaling packets are received over the S11 and/or S4 interface by S-GW	Per EGTPC service instance	Standard
egtpc	OutSigOctS11S4SGW	INT32	Incremental	active	The total number of outgoing signalling octets over the S11 and/or S4 interface of S-GW.	This counter is incremented when signaling octets are sent over the S11 and/or S4 interface by S-GW	Per EGTPC service instance	Standard
egtpc	IncSigOctS11S4SGW	INT32	Incremental	active	The total number of incoming signalling octets over the S11 and/or S4 interface of S-GW.	This counter is incremented when signaling octets are received over the S11 and/or S4 interface by S-GW	Per EGTPC service instance	Standard
egtpc	OutSigPktS11S10MME	INT32	Incremental	active	The total number of outgoing signalling packets over the S11 and/or S10 interface of MME.	This counter is incremented when signaling packets are sent over the S11 and/or S10 interface by MME	Per EGTPC service instance	Standard
egtpc	IncSigPktS11S10MME	INT32	Incremental	active	The total number of incoming signalling packets over the S11 and/or S10 interface of MME.	This counter is incremented when signaling packets are received over the S11 and/or S10 interface by MME	Per EGTPC service instance	Standard
egtpc	OutSigOctS11S10MME	INT32	Incremental	active	The total number of outgoing signalling octets over the S11 and/or S10 interface of MME.	This counter is incremented when signaling octets are sent over the S11 and/or S10 interface by MME	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	IncSigOctS11S10MME	INT32	Incremental	active	The total number of incoming signalling octets over the S11 and/or S10 interface of MME.	This counter is incremented when signaling octets are received over the S11 and/or S10 interface by MME	Per EGTPC service instance	Standard
egtpc	OutSigPktS4SGSN	INT32	Incremental	active	The total number of outgoing signalling packets over the S4 interface of SGSN.	This counter is incremented when signaling packets are sent over the S4 interface by S4 SGSN	Per EGTPC service instance	Standard
egtpc	IncSigPktS4SGSN	INT32	Incremental	active	The total number of incoming signalling packets over the S4 interface of SGSN.	This counter is incremented when signaling packets are received over the S4 interface by S4 SGSN	Per EGTPC service instance	Standard
egtpc	OutSigOctS4SGSN	INT32	Incremental	active	The total number of outgoing signalling octets over the S4 interface of SGSN.	This counter is incremented when signaling octects are sent over the S4 interface by S4 SGSN	Per EGTPC service instance	Standard
egtpc	IncSigOctS4SGSN	INT32	Incremental	active	The total number of incoming signalling octets over the S4 interface of SGSN.	This counter is incremented when signaling octects are received over the S4 interface by S4 SGSN	Per EGTPC service instance	Standard
egtpc	OutSigPktS2ACGW	INT32	Incremental	active	The total number of outgoing signalling packets over the S2A interface of C-GW.	This counter is incremented when signaling packets are sent over S2A interface by C-GW	Per EGTPC service instance	Standard
egtpc	IncSigPktS2ACGW	INT32	Incremental	active	The total number of incoming signalling packets over the S2A interface of C-GW.	This counter is incremented when signaling packets are received over S2A interface by C-GW	Per EGTPC service instance	Standard
egtpc	OutSigOctS2ACGW	INT32	Incremental	active	The total number of outgoing signalling octets over the S2A interface of C-GW.	This counter is incremented when signaling octets are sent over S2A interface by C-GW	Per EGTPC service instance	Standard
egtpc	IncSigOctS2ACGW	INT32	Incremental	active	The total number of incoming signalling octets over the S2A interface of C-GW.	This counter is incremented when signaling octets are received over S2A interface by C-GW	Per EGTPC service instance	Standard
egtpc	OutSigPktS2bePDG	INT32	Incremental	active	The total number of outgoing signalling packets over the S2b interface of ePDG.	This counter is incremented when signaling packets are sent over S2b interface by ePDG	Per EGTPC service instance	Standard
egtpc	IncSigPktS2bePDG	INT32	Incremental	active	The total number of incoming signalling packets over the S2b interface of ePDG.	This counter is incremented when signaling packets are received over S2b interface by ePDG	Per EGTPC service instance	Standard
egtpc	OutSigOctS2bePDG	INT32	Incremental	active	The total number of outgoing signalling octets over the S2b interface of ePDG.	This counter is incremented when signaling octets are sent over S2b interface by ePDG	Per EGTPC service instance	Standard
egtpc	IncSigOctS2bePDG	INT32	Incremental	active	The total number of incoming signalling octets over the S2b interface of ePDG.	This counter is incremented when signaling octets are received over S2b interface by ePDG	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	total-sent-req	INT32	Incremental	active	GTP path statistics - Total number of Request messages sent.	This counter is incremented when Request messages sent	Per EGTPC service instance	Standard
egtpc	total-sent-retransReq	INT32	Incremental	active	GTP path statistics - Total number of Retransmitted Request messages sent.	This counter is incremented when Retransmitted Request messages sent	Per EGTPC service instance	Standard
egtpc	total-recv-req	INT32	Incremental	active	GTP path statistics - Total number of request messages received.	This counter is incremented when Request messages received	Per EGTPC service instance	Standard
egtpc	total-recv-retransReq	INT32	Incremental	active	GTP path statistics - Total number of retransmitted request messages received.	This counter is incremented when Retransmitted Request messages received	Per EGTPC service instance	Standard
egtpc	total-recv-reqDiscarded	INT32	Incremental	active	GTP path statistics - Total number of Received Request discarded.	This counter is incremented when Retransmitted Request messages discraded	Per EGTPC service instance	Standard
egtpc	total-recv-noRspReq	INT32	Incremental	active	GTP path statistics - Total number of request for which no response was received.	This counter is incremented when no response was received for request	Per EGTPC service instance	Standard
egtpc	total-sent-rsp	INT32	Incremental	active	GTP path statistics - Total number of Response messages Sent.	This counter is incremented when Response messages Sent	Per EGTPC service instance	Standard
egtpc	total-sent-rspAccept	INT32	Incremental	active	GTP path statistics - Total number of Accept Response messages Sent.	This counter is incremented when Accept Response messages Sent	Per EGTPC service instance	Standard
egtpc	total-sent-rspDenied	INT32	Incremental	active	GTP path statistics - Total number of Denied Response messages Sent.	This counter is incremented when Reject Response messages Sent	Per EGTPC service instance	Standard
egtpc	total-sent-rspRetrans	INT32	Incremental	active	GTP path statistics - Total number of Retransmitted response messages sent.	This counter is incremented when Retransmitted Response messages Sent	Per EGTPC service instance	Standard
egtpc	total-recv-resp	INT32	Incremental	active	GTP path statistics - Total number of response messages received.	This counter is incremented when response messages received	Per EGTPC service instance	Standard
egtpc	total-recv-rspAccept	INT32	Incremental	active	GTP path statistics - Total number of response accepted messages received.	This counter is incremented when response accepted messages received	Per EGTPC service instance	Standard
egtpc	total-recv-rspDenied	INT32	Incremental	active	GTP path statistics - Total number of response denied messages received.	This counter is incremented when response reject messages received	Per EGTPC service instance	Standard
egtpc	total-recv-rspDiscarded	INT32	Incremental	active	GTP path statistics - Total number of received response discarded.	This counter is incremented when received response discarded	Per EGTPC service instance	Standard
egtpc	path-sent-echoreq	INT32	Incremental	active	The total number of echo request messages sent by the system.	This counter is incremented when echo request messages sent by the system	Per EGTPC service instance	Standard
egtpc	path-sent-retransechoreq	INT32	Incremental	active	The total number of - retransmitted echo request messages sent by the system.	This counter is incremented when retransmitted echo request messages sent by the system	Per EGTPC service instance	Standard
egtpc	path-recv-echoreq	INT32	Incremental	active	The total number of echo request messages received by the system.	This counter is incremented when echo request messages received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	path-sent-echoresp	INT32	Incremental	active	The total number of echo response messages sent by the system.	This counter is incremented when echo response messages sent by the system	Per EGTPC service instance	Standard
egtpc	path-recv-echoresp	INT32	Incremental	active	The total number of echo response messages received by the system.	This counter is incremented when echo response messages received by the system	Per EGTPC service instance	Standard
egtpc	path-sent-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages sent by the system.	This counter is incremented when of version not supported indication messages sent by the system	Per EGTPC service instance	Standard
egtpc	path-recv-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages received by the system.	This counter is incremented when version not supported indication messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxreq	INT32	Incremental	active	The total number ofcontext request messages sent by the system.	This counter is incremented when context request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransctxreq	INT32	Incremental	active	The total number of retransmitted context request messages sent by the system.	This counter is incremented when retransmitted context request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxreq	INT32	Incremental	active	The total number of context request messages received by the system.	This counter is incremented when context equest messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxreqDiscard	INT32	Incremental	active	The total number of context request messages Discard by the system.	This counter is incremented when context request messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxreqNorsp	INT32	Incremental	active	The total number of context request messages received by the system for which we have not received Response.	This counter is incremented when context request messages received by the system for which we have not received Response	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransctxreq	INT32	Incremental	active	The total number of retransmitted context request messages received by the system.	This counter is incremented when retransmitted context request messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxrsp	INT32	Incremental	active	The total number of context response messages sent by the system.	This counter is incremented when context response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransctxrsp	INT32	Incremental	active	The total number of retransmitted context response messages sent by the system.	This counter is incremented when context retransmitted context response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxrsp	INT32	Incremental	active	The total number of context response messages received by the system.	This counter is incremented when context response messages received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-ctxrspDiscard	INT32	Incremental	active	The total number of context response messages Discard by the system.	This counter is incremented when context response messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxrspNorsp	INT32	Incremental	active	The total number of context response messages received by the system for which we have not received Response.	This counter is incremented when context response messages received by the system for which we have not received Response	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransctxrsp	INT32	Incremental	active	The total number of retransmitted context response messages received by the system.	This counter is incremented when retransmitted context response messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxrspaccept	INT32	Incremental	active	The total number of context response - accepted messages sent by the system.	This counter is incremented when context response - accepted messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxrspdenied	INT32	Incremental	active	The total number of context response messages sent by the system with reject response.	This counter is incremented when context response messages sent by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxrspaccept	INT32	Incremental	active	The total number of context response - accepted messages received by the system.	This counter is incremented when context response - accepted messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxrspdenied	INT32	Incremental	active	The total number of context response messages received by the system with reject response.	This counter is incremented when context response messages received by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxack	INT32	Incremental	active	The total number of context acknowledge messages sent by the system.	This counter is incremented when context acknowledge messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransctxack	INT32	Incremental	active	The total number of retransmitted context acknowledge messages sent by the system.	This counter is incremented when retransmitted context acknowledge messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxack	INT32	Incremental	active	The total number of context acknowledge messages received by the system.	This counter is incremented when context acknowledge messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxackDiscard	INT32	Incremental	active	The total number of context acknowledge messages Discard by the system.	This counter is incremented when context acknowledge messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxackaccept	INT32	Incremental	active	The total number of context acknowledge - accepted messages sent by the system.	This counter is incremented when context acknowledge - accepted messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ctxackdenied	INT32	Incremental	active	The total number of context acknowledge messages sent by the system with reject response.	This counter is incremented when context acknowledge messages sent by the system with reject response	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-ctxackaccept	INT32	Incremental	active	The total number of context acknowledge - accepted messages received by the system.	This counter is incremented when context acknowledge - accepted messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ctxackdenied	INT32	Incremental	active	The total number of context acknowledge messages received by the system with reject response.	This counter is incremented when context acknowledge messages received by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-sent-idtreq	INT32	Incremental	active	The total number of identity request messages sent by the system. In Release 17.1 and later, this statistic is deprecated.	This counter is incremented when identity request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransidtreq	INT32	Incremental	active	The total number of retransmitted identity request messages sent by the system.	This counter is incremented when retransmitted identity request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtreq	INT32	Incremental	active	The total number of identity request messages received by the system.	This counter is incremented when identity request messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtreqDiscard	INT32	Incremental	active	The total number of identity request messages Discard by the system.	This counter is incremented when identity request messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtreqNorsp	INT32	Incremental	active	The total number of identity request messages received by the system for which we have not received Response.	This counter is incremented when identity request messages received by the system for which we have not received Response	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransidtreq	INT32	Incremental	active	The total number of retransmitted identity request messages received by the system.	This counter is incremented when retransmitted identity request messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-idtrsp	INT32	Incremental	active	The total number of identity response messages sent by the system.	This counter is incremented when identity response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransidtrsp	INT32	Incremental	active	The total number of retransmitted identity response messages sent by the system.	This counter is incremented when retransmitted identity response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtrsp	INT32	Incremental	active	The total number of identity response messages received by the system.	This counter is incremented when identity response messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtrspDiscard	INT32	Incremental	active	The total number of identity response messages Discard by the system.	This counter is incremented when identity response messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-idtrspaccept	INT32	Incremental	active	The total number of identity response - accepted messages sent by the system.	This counter is incremented when identity response - accepted messages sent by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-sent-idtrspdenied	INT32	Incremental	active	The total number of identity response messages sent by the system with reject response.	This counter is incremented when identity response messages sent by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtrspaccept	INT32	Incremental	active	The total number of identity response - accepted messages received by the system.	This counter is incremented when identity response - accepted messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-idtrspdenied	INT32	Incremental	active	The total number of identity response messages received by the system with reject response.	This counter is incremented when identity response messages received by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelreq	INT32	Incremental	active	The total number of forward relocation request messages sent by the system.	This counter is incremented when forward relocation request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdrelreq	INT32	Incremental	active	The total number of retransmitted forward relocation request messages sent by the system.	This counter is incremented when retransmitted forward relocation request messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelreq	INT32	Incremental	active	The total number of forward relocation request messages received by the system.	This counter is incremented when forward relocation request messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelreqDiscard	INT32	Incremental	active	The total number of forward relocation request messages Discard by the system.	This counter is incremented when forward relocation request messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelreqNorsp	INT32	Incremental	active	The total number of forward relocation request messages received by the system for which we have not received Response.	This counter is incremented when forward relocation request messages received by the system for which we have not received Response	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransfwdrelreq	INT32	Incremental	active	The total number of retransmitted forward relocation request messages received by the system.	This counter is incremented when retransmitted forward relocation request messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelrsp	INT32	Incremental	active	The total number of forward relocation response messages sent by the system.	This counter is incremented when forward relocation response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdrelrsp	INT32	Incremental	active	The total number of retransmitted forward relocation response messages sent by the system.	This counter is incremented when retransmitted forward relocation response messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelrsp	INT32	Incremental	active	The total number of forward relocation response messages received by the system.	This counter is incremented when forward relocation response messages received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-fwdrelrspDiscard	INT32	Incremental	active	The total number of forward relocation response messages Discard by the system. In Release 17.1 and later, this statistic is deprecated.	This counter is incremented when forward relocation response messages Discard by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelrspaccept	INT32	Incremental	active	The total number of forward relocation response - accepted messages sent by the system.	This counter is incremented when forward relocation response - accepted messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelrspdenied	INT32	Incremental	active	The total number of forward relocation response messages sent by the system with reject response.	This counter is incremented when forward relocation response messages sent by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelrspaccept	INT32	Incremental	active	The total number of forward relocation response - accepted messages received by the system.	This counter is incremented when forward relocation response - accepted messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelrspdenied	INT32	Incremental	active	The total number of forward relocation response messages received by the system with reject response.	This counter is incremented when forward relocation response messages received by the system with reject response	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdaccnotf	INT32	Incremental	active	The total number of forward access context notification messages sent by the system.	This counter is incremented when forward access context notification messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdaccnotf	INT32	Incremental	active	The total number of retransmitted forward access context notification messages sent by the system.	This counter is incremented when retransmitted forward access context notification messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccnotf	INT32	Incremental	active	The total number of forward access context notification messages received by the system.	This counter is incremented when forward access context notification messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccnotfNorsp	INT32	Incremental	active	The total number of forward access context notification messages received by the system for which we have not received Response.	This counter is incremented when forward access context notification messages received by the system for which we have not received Response	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccnotfDiscard	INT32	Incremental	active	The total number of forward access context notification messages Discard by the system.	This counter is incremented when forward access context notification messages Discardby the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransfwdaccnotf	INT32	Incremental	active	The total number of retransmitted forward access context notification messages received by the system.	This counter is incremented when retransmitted forward access context notification messages received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-sent-fwdaccack	INT32	Incremental	active	The total number of forward access context acknowledge messages sent by the system.	This counter is incremented when forward access context acknowledge messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdaccack	INT32	Incremental	active	The total number of retransmitted forward access context acknowledge messages sent by the system.	This counter is incremented when retransmitted forward access context acknowledge messages sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccack	INT32	Incremental	active	The total number of forward access context acknowledge messages received by the system.	This counter is incremented when forward access context acknowledge messages received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccackDiscard	INT32	Incremental	active	The total number of forward access context acknowledge message discarded by the system.	This counter is incremented when forward access context acknowledge message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdaccackaccept	INT32	Incremental	active	The total number of forward access context acknowledge accepted messages sent by the system.	This counter is incremented when forward access context acknowledge with cause accept is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdaccackdenied	INT32	Incremental	active	The total number of forward access context acknowledge denied by the system.	This counter is incremented when forward access context acknowledge is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccackaccept	INT32	Incremental	active	The total number of forward access context acknowledge accepted messages received by the system.	This counter is incremented when forward access context acknowledge with cause accepted is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdaccackdenied	INT32	Incremental	active	The total number of forward access context acknowledge denied by the system.	This counter is incremented when forward access context acknowledge is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelcmpnotf	INT32	Incremental	active	The total number of forward relocation complete notification messages sent by the system.	This counter is incremented when forward relocation complete notification message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdrelcmpnotf	INT32	Incremental	active	The total number of retransmitted forward relocation complete notification messages sent by the system.	This counter is incremented when forward relocation complete notification message is retransmitted by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpnotf	INT32	Incremental	active	The total number of forward relocation complete notification messages received by the system.	This counter is incremented when forward relocation complete notification message is received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-fwdrelcmpnotfDiscard	INT32	Incremental	active	The total number of forward relocation complete notification messages discarded by the system.	This counter is incremented when forward relocation complete notification message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpnotfNorsp	INT32	Incremental	active	The total number of forward relocation complete notification messages for which no response has been received.	This counter is incremented when forward relocation complete notification message is sent by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransfwdrelcmpnotf	INT32	Incremental	active	The total number of retransmitted forward relocation complete notification messages received by the system.	This counter is incremented when forward relocation complete notification message is retried by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelcmpack	INT32	Incremental	active	The total number of forward relocation complete acknowledge messages sent by the system.	This counter is incremented when forward relocation complete acknowledge message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransfwdrelcmpack	INT32	Incremental	active	The total number of retransmitted forward relocation complete acknowledge messages sent by the system.	This counter is incremented when forward relocation complete acknowledge message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpack	INT32	Incremental	active	The total number of forward relocation complete acknowledge messages received by the system.	This counter is incremented when forward relocation complete acknowledge message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpackDiscard	INT32	Incremental	active	The total number of forward relocation complete acknowledge messages discarded by the system.	This counter is incremented when forward relocation complete acknowledge message is discarded by the system.	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelcmpackaccept	INT32	Incremental	active	The total number of forward relocation complete acknowledge accepted messages sent by the system.	This counter is incremented when forward relocation complete acknowledge with message sent by system	Per EGTPC service instance	Standard
egtpc	mobility-sent-fwdrelcmpackdenied	INT32	Incremental	active	The total number of forward relocation complete acknowledge denied by the system.	This counter is incremented when forward relocation complete acknowledge is denied by system.	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpackaccept	INT32	Incremental	active	The total number of forward relocation complete acknowledge accepted messages received by the system.	This counter is incremented when forward relocation complete acknowledge is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-fwdrelcmpackdenied	INT32	Incremental	active	The total number of forward relocation complete acknowledge denied by the system.	This counter is incremented when forward relocation complete acknowledge is denied by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-sent-relcancelreq	INT32	Incremental	active	The total number of relocation cancel request messages sent by the system.	This counter is incremented when relocation cancel request message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransrelcancelreq	INT32	Incremental	active	The total number of retransmitted relocation cancel request messages sent by the system.	This counter is incremented when relocation cancel request message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelreq	INT32	Incremental	active	The total number of relocation cancel request messages received by the system.	This counter is incremented when relocation cancel request message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelreqDiscard	INT32	Incremental	active	The total number of relocation cancel request messages discarded by the system.	This counter is incremented when relocation cancel request message is discarded by system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelreqNorsp	INT32	Incremental	active	The total number of relocation cancel request messages for which no response has been received.	This counter is incremented when relocation cancel request message is sent by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransrelcancelreq	INT32	Incremental	active	The total number of retransmitted relocation cancel request messages received by the system.	This counter is incremented when relocation cancel request message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-relcancelrsp	INT32	Incremental	active	The total number of relocation cancel response messages sent by the system.	This counter is incremented when relocation cancel response message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransrelcancelrsp	INT32	Incremental	active	The total number of retransmitted relocation cancel response messages sent by the system.	This counter is incremented when relocation cancel response message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelrsp	INT32	Incremental	active	The total number of relocation cancel response messages received by the system.	This counter is incremented when relocation cancel response message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelrspDiscard	INT32	Incremental	active	The total number of relocation cancel response messages discarded by the system.	This counter is incremented when relocation cancel response message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-relcancelrspaccept	INT32	Incremental	active	The total number of relocation cancel response accepted messages sent by the system.	This counter is incremented when relocation cancel response with cause accepted is sent by system.	Per EGTPC service instance	Standard
egtpc	mobility-sent-relcancelrspdenied	INT32	Incremental	active	The total number of relocation cancel response denied by the system.	This counter is incremented when relocation cancel response is denied by system	Per EGTPC service instance	Standard
egtpc	mobility-recv-relcancelrspaccept	INT32	Incremental	active	The total number of relocation cancel response accepted messages received by the system.	This counter is incremented when relocation cancel response with cause accepted is received by the system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-relcancelrspdenied	INT32	Incremental	active	The total number of relocation cancel response denied by the system.	This counter is incremented when relocation cancel response is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-cspagingind	INT32	Incremental	active	The total number of CS paging indication messages sent by the system.	This counter is incremented when CS paging indication message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-cspagingind	INT32	Incremental	active	The total number of CS paging indication messages received by the system.	This counter is incremented when CS paging indication message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-alertmmenotf	INT32	Incremental	active	The total number of alert MME notification messages sent by the system.	This counter is incremented when alert MME notification message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransalertmmenotf	INT32	Incremental	active	The total number of retransmitted alert MME notification messages sent by the system.	This counter is incremented when alert MME notification is retried by system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmenotf	INT32	Incremental	active	The total number of alert MME notification messages received by the system.	This counter is incremented when alert MME notification is received by the system.	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmenotfDiscard	INT32	Incremental	active	The total number of alert MME notification message discarded by the system.	This counter is incremented when when alert MME notification is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmenotfNosp	INT32	Incremental	active	The total number of alert MME notification messages for which no response has been received.	This counter is incremented when alert MME notification message is sent by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransalertmmenotf	INT32	Incremental	active	The total number of retransmitted alert MME notification messages received by the system.	This counter is incremented when alert MME notification is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-alertmmeack	INT32	Incremental	active	The total number of alert MME acknowledge messages sent by the system.	This counter is incremented when alert MME acknowledge message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransalertmmeack	INT32	Incremental	active	The total number of retransmitted alert MME acknowledge messages sent by the system.	This counter is incremented when alert MME acknowledge message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmeack	INT32	Incremental	active	The total number of alert MME acknowledge messages received by the system.	This counter is incremented when alert MME acknowledge message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmeackDiscard	INT32	Incremental	active	The total number of alert MME acknowledge messages discarded by the system.	This counter is incremented when alert MME acknowledge message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-alertmmeackaccept	INT32	Incremental	active	The total number of alert MME acknowledge accepted messages sent by the system.	This counter is incremented when alert MME acknowledge is sent by system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-sent-alertmmeackdenied	INT32	Incremental	active	The total number of alert MME acknowledge denied by the system.	This counter is incremented when alert MME acknowledge is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmeackaccept	INT32	Incremental	active	The total number of alert MME acknowledge accepted messages received by the system.	This counter is incremented when alert MME acknowledge message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-alertmmeackdenied	INT32	Incremental	active	The total number of alert MME acknowledge denied by the system.	This counter is incremented when alert MME acknowledge message is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ueactivitynotf	INT32	Incremental	active	The total number of UE activity notification messages sent by the system.	This counter is incremented when UE activity notification message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransueactivitynotf	INT32	Incremental	active	The total number of retransmitted UE activity notification messages sent by the system.	This counter is incremented when UE activity notification message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivitynotf	INT32	Incremental	active	The total number of UE activity notification messages received by the system.	This counter is incremented when UE activity notification message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivitynotfDiscard	INT32	Incremental	active	The total number of UE activity notification messages discarded by the system.	This counter is incremented when UE activity notification message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivitynotfNorsp	INT32	Incremental	active	The total number of UE activity notification messages for which no response has been received.	This counter is incremented when UE activity notification message is sent by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-recv-retransueactivitynotf	INT32	Incremental	active	The total number of retransmitted UE activity notification messages received by the system.	This counter is incremented when UE activity notification is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ueactivityack	INT32	Incremental	active	The total number of UE activity acknowledge messages sent by the system.	This counter is incremented when UE activity acknowledge message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransueactivityack	INT32	Incremental	active	The total number of retransmitted UE activity acknowledge messages sent by the system.	This counter is incremented when UE activity acknowledge message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivityack	INT32	Incremental	active	The total number of UE activity acknowledge messages received by the system.	This counter is incremented when UE activity acknowledge message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivityackDiscard	INT32	Incremental	active	The total number of UE activity acknowledge messages discarded by the system.	This counter is incremented when UE activity acknowledge message is discarded by system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-sent-ueactivityackaccept	INT32	Incremental	active	The total number of UE activity acknowledge accepted messages sent by the system.	This counter is incremented when UE activity acknowledge message with cause accept is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ueactivityackdenied	INT32	Incremental	active	The total number of UE activity acknowledge denied by the system.	This counter is incremented when UE activity acknowledge message is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivityackaccept	INT32	Incremental	active	The total number of UE activity acknowledge accepted messages received by the system.	This counter is incremented when UE activity acknowledge message with cause accept is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ueactivityackdenied	INT32	Incremental	active	The total number of UE activity acknowledge denied by the system.	This counter is incremented when UE activity acknowledge message is denied by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-ranInforelay	INT32	Incremental	active	The total number of RAN information relay messages sent by the system.	This counter is incremented when RAN information relay message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-ranInforelay	INT32	Incremental	active	The total number of RAN information relay messages received by the system.	This counter is incremented when RAN information relay message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-configxfertun	INT32	Incremental	active	The total number of configuration transfer tunnel messages sent by the system.	This counter is incremented when configuration transfer tunnel message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-configxfertun	INT32	Incremental	active	The total number of configuration transfer tunnel messages received by the system.	This counter is incremented when configuration transfer tunnel message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-detachnotf	INT32	Incremental	active	The total number of detach notification messages sent by the system.	This counter is incremented when detach notification message is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-retransdetachnotf	INT32	Incremental	active	The total number of retransmitted detach notification messages sent by the system.	This counter is incremented when detach notification message is retried by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachnotf	INT32	Incremental	active	The total number of detach notification messages received by the system.	This counter is incremented when detach notification message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachnotfDiscard	INT32	Incremental	active	The total number of detach notification messages discarded by the system.	This counter is incremented when detach notification is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachnotfNorsp	INT32	Incremental	active	The total number of detach notification messages for which no response has been received.	This counter is incremented when detach notification message is sent by system for which no response is received	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	mobility-recv-retransdetachnotf	INT32	Incremental	active	The total number of retransmitted detach notification messages received by the system.	This counter is incremented when detach notification message is retried by system for which no response is received	Per EGTPC service instance	Standard
egtpc	mobility-sent-detachack	INT32	Incremental	active	The total number of detach acknowledge messages sent by the system.	This counter is incremented when detach acknowledge messages is sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachack	INT32	Incremental	active	The total number of detach acknowledge messages received by the system.	This counter is incremented when detach acknowledge message is received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachackDiscard	INT32	Incremental	active	The total number of detach acknowledge messages discarded by the system.	This counter is incremented when detach acknowledge message is discarded by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-detachackaccept	INT32	Incremental	active	The total number of detach acknowledge accepted messages sent by the system.	This counter is incremented when detach acknowledge message with cause accept sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-sent-detachackdenied	INT32	Incremental	active	The total number of detach acknowledge denied by the system.	This counter is incremented when detach acknowledge message is denied sent by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachackaccept	INT32	Incremental	active	The total number of detach acknowledge accepted messages received by the system.	This counter is incremented when detach acknowledge message with cause accept received by the system	Per EGTPC service instance	Standard
egtpc	mobility-recv-detachackdenied	INT32	Incremental	active	The total number of detach acknowledge denied by the system.	This counter is incremented when detach acknowledge message is denied by the system	Per EGTPC service instance	Standard
egtpc	trace-sent-activate	INT32	Incremental	active	The total number of activate messages sent by the system.	This counter is incremented when activate message is sent by the system	Per EGTPC service instance	Standard
egtpc	trace-recv-activate	INT32	Incremental	active	The total number of activate messages received by the system.	This counter is incremented when activate message is received by the system	Per EGTPC service instance	Standard
egtpc	trace-sent-deactivate	INT32	Incremental	active	The total number of deactivate messages sent by the system.	This counter is incremented when deactivate message is sent by the system	Per EGTPC service instance	Standard
egtpc	trace-recv-deactivate	INT32	Incremental	active	The total number of deactivate messages received by the system.	This counter is incremented when deactivate message is received by the system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-pstocsreq	INT32	Incremental	active	The total number of PS (Packet Switched) to CS (Circuit Switched) request messages sent by system, the specified service, or the specified interface.	This counter is incremented when PS (Packet Switched) to CS (Circuit Switched) request message is sent by system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-retranspstocsreq	INT32	Incremental	active	The total number of PS to CS request messages retransmitted.	This counter is incremented when PS (Packet Switched) to CS (Circuit Switched) request message is retried by system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	srvcc-recv-pstocsrsp	INT32	Incremental	active	The total number of PS to CS response messages received.	This counter is incremented when PS to CS response message is received by the system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocsrspDiscard	INT32	Incremental	active	The total number of PS to CS response messages discarded by the system. The system/interface will discard the message when a decoding error occurs (for example due to wrong header length, wrong IE format, etc.).	This counter is incremented when PS to CS response message with cause code discard is received by the system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocsrspaccept	INT32	Incremental	active	The total number of PS to CS response messages received and accepted.	This counter is incremented when PS to CS response message with cause code accept is received by the system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocsrspdenied	INT32	Incremental	active	The total number of PS to CS response denied by the system.	This counter is incremented when PS to CS response message is denied by the system.	Per EGTPC service.	Standard
egtpc	srvcc-recv-pstocscmpnotf	INT32	Incremental	active	The total number of PS to CS complete notification messages received.	This counter is incremented when PS to CS complete notification message is received by system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocscmpnotfDiscard	INT32	Incremental	active	The total number of PS to CS complete notification messages discarded by the system. The system/interface will discard the message when a decoding error occurs (for example due to wrong header length, wrong IE format, etc.).	This counter is incremented when PS to CS complete notification messages with cause code discard is received by the system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-retranspstocscmpnotf	INT32	Incremental	active	The total number of retransmitted PS to CS complete notification messages received.	This counter is incremented when PS to CS complete notification message is retried for which no response is received	Per EGTPC service instance	Standard
egtpc	srvcc-sent-pstocscmpack	INT32	Incremental	active	The total number of PS to CS complete acknowledge messages sent.	This counter is incremented when PS to CS complete acknowledge message is sent by system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-retranspstocscmpack	INT32	Incremental	active	The total number of retransmitted PS to CS complete acknowledge messages sent.	This counter is incremented when PS to CS complete acknowledge message is retried by system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-pstocscmpackaccept	INT32	Incremental	active	The total number of PS to CS complete acknowledge messages sent with cause code as Accepted.	This counter is incremented when PS to CS complete acknowledge message with cause code accept is sent by system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-pstocscmpackdenied	INT32	Incremental	active	The total number of PS to CS complete acknowledge message denied by the system.	This counter is incremented when PS to CS complete acknowledge message is denied by system	Per EGTPC service instance	Standard
egtpc	srvcc-sent-pstocscancelnotf	INT32	Incremental	active	The total number of PS to CS cancel notification messages sent.	This counter is incremented when PS to CS cancel notification message is sent by system	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	srvcc-sent-retranspstocscancelnotf	INT32	Incremental	active	The total number of retransmitted PS to CS cancel notification messages sent.	This counter is incremented when PS to CS cancel notification message is retried by system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocscancelack	INT32	Incremental	active	The total number of PS to CS cancel acknowledge messages received.	This counter is incremented when PS to CS cancel acknowledge message is received by system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocscancelackDiscard	INT32	Incremental	active	The total number of PS to CS cancel acknowledge messages discarded by the system.	This counter is incremented when PS to CS cancel acknowledge message is dicarded by the system	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocscanelackaccept	INT32	Incremental	active	The total number of PS to CS cancel acknowledge messages received with cause code Accepted.	This counter is incremented when PS to CS cancel acknowledge message with cause accept is received by syste	Per EGTPC service instance	Standard
egtpc	srvcc-recv-pstocscancelackdenied	INT32	Incremental	active	The total number of PS to CS cancel acknowledge with reject cause received by the system.	This counter is incremented when PS to CS cancel acknowledge message with cause code denied is received by syste	Per EGTPC service instance	Standard
egtpc	gtpv1tun-sent-gpdu	INT32	Incremental	Obsolete	The total number of GTPv1 GPDU messages sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-recv-gpdu	INT32	Incremental	Obsolete	The total number of GTPv1 GPDU messages received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-txoctet	INT32	Incremental	Obsolete	The total number of GTPv1 octet messages sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-rxoctet	INT32	Incremental	Obsolete	The total number of GTPv1 octet messages received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-sent-gtpuerror	INT32	Incremental	Obsolete	The total number of GTPv1 GTPU error messages sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-recv-gtpuerror	INT32	Incremental	Obsolete	The total number of GTPv1 GTPU error messages received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1tun-sent-endmarker	INT32	Incremental	Obsolete	The total number of GTPv1 end marker messages sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1path-sent-echoreq	INT32	Incremental	active	The total number of GTPv1 path echo request messages sent by the system.	This counter is incremented when echo request message is sent by the system	Per EGTPC service instance	Standard
egtpc	gtpv1path-recv-echoreq	INT32	Incremental	active	The total number of GTPv1 path echo request messages received by the system.	This counter is incremented when echo request message is received by the system	Per EGTPC service instance	Standard
egtpc	gtpv1path-sent-echoresp	INT32	Incremental	active	The total number of GTPv1 path echo response messages sent by the system.	This counter is incremented when echo response message is sent by the system	Per EGTPC service instance	Standard
egtpc	gtpv1path-recv-echoresp	INT32	Incremental	active	The total number of GTPv1 path echo response messages received by the system.	This counter is incremented when echo response message is received by the system	Per EGTPC service instance	Standard
egtpc	gtpv1path-sent-hdrnotif	INT32	Incremental	Obsolete	The total number of GTPv1 header notification sent by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard
egtpc	gtpv1path-recv-hdrnotif	INT32	Incremental	Obsolete	The total number of GTPv1 header notification received by the system	Since this is obsolete, this counter is not incremented	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	load-overload-own-lci	INT32	Gauge	active	Own load control information.	This counter is changed wthen load value changes	Per EGTPC service instance	Standard
egtpc	load-overload-own-oci	INT32	Gauge	active	Own overload control information.	This counter is changed wthen overload value changes	Per EGTPC service instance	Standard
egtpc	load-overload-num-msg-throttled	INT32	Incremental	active	The total number of messages throtttled by the node.	This counter is incremented when messages are throtttled when load/overload is enabled	Per EGTPC service instance	Standard
egtpc	load-overload-num-ovrload-cond-reached	INT32	Incremental	active	Total number of times node has crossed the configured overload maximum threshold condition.	This counter is incremented when the node crosses the configured overload maximum threshold condition when load/overload is enabled	Per EGTPC service instance	Standard
egtpc	s11-tun-recv-cresessreq-emps	INT32	Incremental	active	The total number of tunnel - create session request - messages received by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when a create session request message is received by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-sent-cresessresp-emps	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when a create session response message is sent by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-recv-modbearerreq-emps	INT32	Incremental	active	The total number of tunnel - modify bearer request - messages received by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when modify bearer request message is received by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-sent-modbearerresp-emps	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when modify bearer response message is sent by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-sent-crebearerreq-emps	INT32	Incremental	active	The total number of tunnel - create bearer request - messages sent by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when create bearer request message is sent by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-recv-crebearerresp-emps	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when create bearer response message is received by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	s11-tun-sent-updbearerreq-emps	INT32	Incremental	active	The total number of tunnel - update bearer request - messages sent by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when update bearer request message is sent by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-recv-updbearerresp-emps	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when update bearer response message is received by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-sent-ddnreq-emps	INT32	Incremental	active	The total number of downlink data notification - messages sent by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when downlink data notification message is sent by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s11-tun-recv-ddnack-emps	INT32	Incremental	active	The total number of downlink data notificatino acknowledge - messages received by the system for eMPS subscriber on interface s11. This stat is for current bulkstat interval only.	This counter is incremented when downlink data notificatino acknowledge message is received by the SGW for eMPS subscriber on interface s11. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s4-tun-recv-cresessreq-emps	INT32	Incremental	active	The total number of tunnel - create session request - messages received by the system for eMPS subscriber on interface s4. This stat is for current bulkstat interval only.	This counter is incremented when a create session request message is received by the SGW for eMPS subscriber on interface s4. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	s4-tun-sent-cresessresp-emps	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system for eMPS subscriber on interface s4. This stat is for current bulkstat interval only.	This counter is incremented when a create session response message is sent by the SGW for eMPS subscriber on interface s4. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-sent-cresessreq-emps	INT32	Incremental	active	The total number of tunnel - create session request - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when a create session request message is sent by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-recv-cresessresp-emps	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when a create session response message is received by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
egtpc	tun-sent-modbearerreq-emps	INT32	Incremental	active	The total number of tunnel - modify bearer request - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when modify bearer request message is sent by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-recv-modbearerresp-emps	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only..	This counter is incremented when modify bearer response message is received by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-recv-crebearerreq-emps	INT32	Incremental	active	The total number of tunnel - create bearer request - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when create bearer request message is received by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-sent-crebearerresp-emps	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only..	This counter is incremented when create bearer response message is sent by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-recv-updbearerreq-emps	INT32	Incremental	active	The total number of tunnel - update bearer request - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when update bearer request message is received by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
egtpc	tun-sent-updbearerresp-emps	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when update bearer response message is sent by the SGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
sx	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the SX service.	Configuration	Per Context	Standard
sx	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SX service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
sx	servname	STRING	Primary-key	active	Displays the name of the SX service for which the statistics are displayed.	Configuration	Per SX Service	Standard
sx	servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the SX service. This is an internal reference number.	Generated During System Startup	Per SX Service	Standard
sx	ses-esb-req-total-tx	INT32	Incremental	active	The total number of session establishment request messages sent by the SX service.	increments when session estblishment request message is sent by the SX service	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	ses-esb-req-total-rx	INT32	Incremental	active	The total number of session establishment request messages recieved by the SX service.	increments when session establishment request message is recieved by the SX service	Per SX Service	Standard
sx	ses-esb-req-initial-tx	INT32	Incremental	active	The number of initial session establishment request messages sent by the SX service.	increments when the first session establishment request message is sent by the SX service for a given session.	Per SX Service	Standard
sx	ses-esb-req-initial-rx	INT32	Incremental	active	The number of initial session establishment request messages recieved by the SX servicerx.	increments when the first session establishment request message is recieved by the SX service for a given session	Per SX Service	Standard
sx	ses-esb-req-retrans-tx	INT32	Incremental	active	The number of retransmit session establishment request messages sent by the SX service.	increments when the SX service sends a retransmit session establishment request message for a given session	Per SX Service	Standard
sx	ses-esb-req-retrans-rx	INT32	Incremental	active	The number of retransmit session establishment request messages recieved by the SX service.	increments when the SX service recieves a retranmitted session establishment request message for a given session	Per SX Service	Standard
sx	ses-esb-req-discarded	INT32	Incremental	active	The number of session establishment request messages discarded by the SX service.	increments when the SX service discards a session establishment request message	Per SX Service	Standard
sx	ses-esb-req-no-rsp-rx	INT32	Incremental	active	The number of session establishment requests that did not recieve the response from the peer.	increments when a session establishment request message did not get a response from peer	Per SX Service	Standard
sx	ses-esb-rsp-total-tx	INT32	Incremental	active	The total number of session establishment response messages sent by the SX service.	increments when the SX service sends a session establishment response message	Per SX Service	Standard
sx	ses-esb-rsp-total-rx	INT32	Incremental	active	The total number of session establishment response messages recieved by the SX service.	increments when the SX service recieves a session establishment response message	Per SX Service	Standard
sx	ses-esb-rsp-initial-tx	INT32	Incremental	active	The number of initial session establishment response messages sent by the SX service.	increments when the initial session establishment response message is sent by SX service	Per SX Service	Standard
sx	ses-esb-rsp-initial-rx	INT32	Incremental	active	The number of initial session establishment response messages recieved by the SX service.	increments when the SX service recieves initial session establishment response message	Per SX Service	Standard
sx	ses-esb-rsp-accepted-tx	INT32	Incremental	active	The number of session establishment response messages sent with Accept cause.	increments when a session establishment response message is sent with Accept cause	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	ses-esb-rsp-accepted-rx	INT32	Incremental	active	The number session establishment response messages recieved with Accept cause.	increments when a session establishment response message is recieved with Accept cause	Per SX Service	Standard
sx	ses-esb-rsp-denied-tx	INT32	Incremental	active	The number of session establishment response messages sent with Deny cause.	increments when a session establishment response message is sent with Deny cause	Per SX Service	Standard
sx	ses-esb-rsp-denied-rx	INT32	Incremental	active	The number of session establishment response messages recieved with Deny cause.	increments when a session establishment response message is recieved with Deny cause	Per SX Service	Standard
sx	ses-esb-rsp-retrans-tx	INT32	Incremental	active	The number of retransmit session establishment response messages are sent.	increments when the session establishment response message is retransmitted	Per SX Service	Standard
sx	ses-esb-rsp-discarded	INT32	Incremental	active	The number of session establishment response messages discarded.	increments when a session establishment response message is discarded	Per SX Service	Standard
sx	ses-mod-req-total-tx	INT32	Incremental	active	The total number of session modification request messages sent.	increments when a session modification request message is sent	Per SX Service	Standard
sx	ses-mod-req-total-rx	INT32	Incremental	active	The total number of session modification request messages recieved.	increments when a session modification request message is recieved	Per SX Service	Standard
sx	ses-mod-req-initial-tx	INT32	Incremental	active	The number of initial session modification request messages sent.	increments when the first session modification request message is sent for a given session	Per SX Service	Standard
sx	ses-mod-req-initial-rx	INT32	Incremental	active	The number of initial session modification request messages recieved.	increments when the first session modification request message is recieved for a given session	Per SX Service	Standard
sx	ses-mod-req-retrans-tx	INT32	Incremental	active	The number of retransmit session modification request messages sent.	increments when the retransmit session modification request message is sent	Per SX Service	Standard
sx	ses-mod-req-retrans-rx	INT32	Incremental	active	The number of retransmit session modification request messages recieved.	increments when the retransmit session modification request message is recieved	Per SX Service	Standard
sx	ses-mod-req-discarded	INT32	Incremental	active	The number of session modification request messages discarded.	increments when a session modification request message is discarded	Per SX Service	Standard
sx	ses-mod-req-no-rsp-rx	INT32	Incremental	active	The number of session modification request messages that did not recieve response.	increments when a session modification request message does not recieve a response	Per SX Service	Standard
sx	ses-mod-rsp-total-tx	INT32	Incremental	active	The total number of session modification reponse messages sent.	increments when a session modification response message is sent	Per SX Service	Standard
sx	ses-mod-rsp-total-rx	INT32	Incremental	active	The total number of session modification respones messages recieved.	increments when a session modification response is recieved	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	ses-mod-rsp-initial-tx	INT32	Incremental	active	The number of initial session modification response messages sent.	increments when the first session modification response message is sent for a given session	Per SX Service	Standard
sx	ses-mod-rsp-initial-rx	INT32	Incremental	active	The number of initial session modification response messages recieved .	increments when the first session modification response message is recieved for a given session	Per SX Service	Standard
sx	ses-mod-rsp-accepted-tx	INT32	Incremental	active	The number of session modification response messages sent with Accept cause.	increments when a session modification response message is sent with Accept cause	Per SX Service	Standard
sx	ses-mod-rsp-accepted-rx	INT32	Incremental	active	The number of session modification response messages recieved with Accept cause.	increments when a session modification response message is recieved with Accept cause	Per SX Service	Standard
sx	ses-mod-rsp-denied-tx	INT32	Incremental	active	The number of session modification response messages sent with Deny cause.	increments when session modification response message is sent with Deny cause	Per SX Service	Standard
sx	ses-mod-rsp-denied-rx	INT32	Incremental	active	The number of session modification response messages recieved with Deny cause.	increments when session modification response message is recieved with Deny cause	Per SX Service	Standard
sx	ses-mod-rsp-retrans-tx	INT32	Incremental	active	The number of session modification response messages retransmitted.	increments when session modification response message is retransmitted	Per SX Service	Standard
sx	ses-mod-rsp-discarded	INT32	Incremental	active	The number of session modification response messages discarded.	increments when a session modification response message is discarded	Per SX Service	Standard
sx	ses-del-req-total-tx	INT32	Incremental	active	The total number of session deletion request messages sent .	increments when the session deletion request message is sent	Per SX Service	Standard
sx	ses-del-req-total-rx	INT32	Incremental	active	The total number of session deletion request messages recieved.	increments when the session deletion request messages is recieved	Per SX Service	Standard
sx	ses-del-req-initial-tx	INT32	Incremental	active	The number of initial session deletion request messages sent.	increments when the initial session deletion request message is sent	Per SX Service	Standard
sx	ses-del-req-initial-rx	INT32	Incremental	active	The number of initial session deletion request messages recieved.	increments when the initial session deletion request messages is recieved	Per SX Service	Standard
sx	ses-del-req-retrans-tx	INT32	Incremental	active	The number of retransmit session deletion request messages sent.	increments when the retransmit session deletion request message is sent	Per SX Service	Standard
sx	ses-del-req-retrans-rx	INT32	Incremental	active	The number of retransmit session deletion request messages recieved.	increments when thei retransmit session deletion request message is recieved	Per SX Service	Standard
sx	ses-del-req-discarded	INT32	Incremental	active	The number of session deletion request messages discarded.	increments when the session deletion request message is discarded	Per SX Service	Standard
sx	ses-del-req-no-rsp-rx	INT32	Incremental	active	The number of session deletion request messages that did not recieve response.	increments when the session deletion request message does not recieve a response	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	ses-del-rsp-total-tx	INT32	Incremental	active	The total number of session deletion response messages sent.	increments when the session deletion response message is sent	Per SX Service	Standard
sx	ses-del-rsp-total-rx	INT32	Incremental	active	The total number of session deletion response messages recieved.	increments when the session deletion response message is recieved	Per SX Service	Standard
sx	ses-del-rsp-accepted-tx	INT32	Incremental	active	The number of session deletion response messages sent with Accept cause.	increments when the session deletion response message is sent with Accept cause	Per SX Service	Standard
sx	ses-del-rsp-accepted-rx	INT32	Incremental	active	The number of session deletion response messages recieved with Accept cause.	increments when the session deletion response message is recieved with Accept cause	Per SX Service	Standard
sx	ses-del-rsp-denied-tx	INT32	Incremental	active	The number of session deletion response messages sent with Deny cause.	increments when the session deletion response message is sent with Deny cause	Per SX Service	Standard
sx	ses-del-rsp-denied-rx	INT32	Incremental	active	The number of session deletion response messages recieved with Deny cause.	increments when the session deletion response message is recieved with Deny cause	Per SX Service	Standard
sx	ses-del-rsp-discarded	INT32	Incremental	active	The number of session deletion response messages discarded.	increments when the session deletion response message is discarded	Per SX Service	Standard
sx	ses-rprt-req-total-tx	INT32	Incremental	active	The total number of session report request messages sent.	increments when the session report request message is sent	Per SX Service	Standard
sx	ses-rprt-req-total-rx	INT32	Incremental	active	The total number of session report request messages recieved.	increments when the session report request message is recieved	Per SX Service	Standard
sx	ses-rprt-req-initial-tx	INT32	Incremental	active	The number of initial session report request messages sent.	increments when the initial session report request message is sent	Per SX Service	Standard
sx	ses-rprt-req-initial-rx	INT32	Incremental	active	The number of initial session report request messages recieved	increments when the session report request message is recieved	Per SX Service	Standard
sx	ses-rprt-req-retrans-tx	INT32	Incremental	active	The number of retransmit session report request messages sent.	increments when the retransmit session report request message is sent	Per SX Service	Standard
sx	ses-rprt-req-retrans-rx	INT32	Incremental	active	The number of retrans session report request messages recieved.	increments when the retransmit session report request message is recieved	Per SX Service	Standard
sx	ses-rprt-req-discarded	INT32	Incremental	active	The number of session report request messages discarded.	increments when the session report request message is discarded	Per SX Service	Standard
sx	ses-rprt-req-no-rsp-rx	INT32	Incremental	active	The number of session report request messages that did not recieve response.	increments when the session report request message does not recieve response	Per SX Service	Standard
sx	ses-rprt-rsp-total-tx	INT32	Incremental	active	The total number of session report response messages sent.	increments when the session report response message is sent	Per SX Service	Standard
sx	ses-rprt-rsp-total-rx	INT32	Incremental	active	The total number of session report response messages recieved.	increments when the session report response message is recieved	Per SX Service	Standard
sx	ses-rprt-rsp-initial-tx	INT32	Incremental	active	The number of initial session report response messages sent.	increments when the initial session report response message is sent	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	ses-rprt-rsp-initial-rx	INT32	Incremental	active	The number of initial session report response messages recieved.	increments when the initial session report response message is recieved	Per SX Service	Standard
sx	ses-rprt-rsp-accepted-tx	INT32	Incremental	active	The number of session report response messages sent with Accept cause.	increments when the session report response message is sent with Accept cause	Per SX Service	Standard
sx	ses-rprt-rsp-accepted-rx	INT32	Incremental	active	The number of session report response messages recieved with Accept cause.	increments when the session report response message is recieved with Accept cause	Per SX Service	Standard
sx	ses-rprt-rsp-denied-tx	INT32	Incremental	active	The number of session report response messages sent with Deny cause.	increments when the session report response message is sent with Deny cause	Per SX Service	Standard
sx	ses-rprt-rsp-denied-rx	INT32	Incremental	active	The number of session report response messages recieved with Deny cause..	increments when the session report response message is recieved with Deny cause	Per SX Service	Standard
sx	ses-rprt-rsp-retrans-tx	INT32	Incremental	active	The number of retransmit session report response messages sent.	increments when the retransmit session report response message is sent	Per SX Service	Standard
sx	ses-rprt-rsp-discarded	INT32	Incremental	active	The number of session report response messages discarded.	increments when the session report response message is discarded	Per SX Service	Standard
sx	prm-pfd-mgmt-req-total-tx	INT32	Incremental	active	The total number of prime PFD mgmt request messages sent.	increments when the prime PFD mgmt request message is sent	Per SX Service	Standard
sx	prm-pfd-mgmt-req-total-rx	INT32	Incremental	active	The total number of prime PFD mgmt request message recieved.	increments when the prime PFD mgmt request message is recieved	Per SX Service	Standard
sx	prm-pfd-mgmt-req-initial-tx	INT32	Incremental	active	The number of initial prime PFD mgmt request messages sent.	increments when the initial prime PFD mgmt request message is sent	Per SX Service	Standard
sx	prm-pfd-mgmt-req-initial-rx	INT32	Incremental	active	The number of initial prime PFD mgmt request messages recieved.	increments when the initial prime PFD mgmt request message is recieved	Per SX Service	Standard
sx	prm-pfd-mgmt-req-retrans-tx	INT32	Incremental	active	The number of retransmit prime PFD mgmt request messages sent.	increments when the retransmit prime PFD mgmt request message is sent	Per SX Service	Standard
sx	prm-pfd-mgmt-req-retrans-rx	INT32	Incremental	active	The number of retransmit prime PFD mgmt request messages recieved.	increments when the retransmit prime PFD mgmt request message is recieved	Per SX Service	Standard
sx	prm-pfd-mgmt-req-no-rsp-rcvd	INT32	Incremental	active	The number of prime PFD mgmt request messages that did not recieve response.	increments when the prime PFD mgmt request message does not recieve response	Per SX Service	Standard
sx	prm-pfd-mgmt-req-discarded	INT32	Incremental	active	The number of prime PFD mgmt request messagess discarded.	increments when the prime PFD mgmt request message is discarded	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-total-tx	INT32	Incremental	active	The total number of prime PFD mgmt response messages sent.	increments when the prime PFD mgmt response message is sent	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-total-rx	INT32	Incremental	active	The total number of prime PFD mgmt response messages recieved.	increments when the prime PFD mgmt response message is recieved	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-initial-tx	INT32	Incremental	active	The number of initial prime PFD mgmt response messages sent.	increments when the initial prime PFD mgmt response message is sent	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	prm-pfd-mgmt-rsp-initial-rx	INT32	Incremental	active	The number of initial prime PFD mgmt response messages recieved	increments when the prime PFD mgmt response message is recieved	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-accepted-tx	INT32	Incremental	active	The number of prime PFD mgmt response messages sent with accept cause.	increments when the prime PFD mgmt response message is sent with Accept cause	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-accepted-rx	INT32	Incremental	active	The number of prime PFD mgmt response messages recieved with Accept cause.	increments when the prime PFD mgmt response message is recieved with accept cause	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-denied-tx	INT32	Incremental	active	The number of prime PFD mgmt response messages sent with Deny cause.	increments when the prime PFD mgmt response message is sent with Deny cause	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-denied-rx	INT32	Incremental	active	The number of prime PFD mgmt response messages recieved with Deny cause.	increments when the prime PFD mgmt response message is recieved with Deny cause	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-retrans-tx	INT32	Incremental	active	The number of retransmit prime PFD mgmt response messages sent.	increments when the retrnamit prime PFD mgmt response message is sent	Per SX Service	Standard
sx	prm-pfd-mgmt-rsp-discarded	INT32	Incremental	active	The number of prime PFD mgmt response messages discarded.	increments when the prime PFD mgmt response message is discarded	Per SX Service	Standard
sx	assoc-stp-req-total-tx	INT32	Incremental	active	The total number of Association setup request messages sent.	increments when the Association setup request message is sent	Per SX Service	Standard
sx	assoc-stp-req-total-rx	INT32	Incremental	active	The total number of Association setup request messages recieved.	increments when the Association setup request message is recieved	Per SX Service	Standard
sx	assoc-stp-req-initial-tx	INT32	Incremental	active	The number of initial Association setup request messages sent.	increments when the initial Association setup request message is sent	Per SX Service	Standard
sx	assoc-stp-req-initial-rx	INT32	Incremental	active	The number of initial Association setup request messages recieved.	increments when the initial Association setup request message is recieved	Per SX Service	Standard
sx	assoc-stp-req-retrans-tx	INT32	Incremental	active	The number of retransmit Association setup request messages sent.	increments when the retransmit Association setup request message is sent	Per SX Service	Standard
sx	assoc-stp-req-retrans-rx	INT32	Incremental	active	The number of retransmit Association setup request messages recieved.	increments when the retransmit Association setup request message is recieved	Per SX Service	Standard
sx	assoc-stp-req-no-rsp-rcvd	INT32	Incremental	active	The number of Association setup request messages that did not recieve response.	increments when there is no response for an association setup request message	Per SX Service	Standard
sx	assoc-stp-req-discarded	INT32	Incremental	active	The number of Association setup request messages discarded by the SX service.	increments when the Association setup request message is discarded	Per SX Service	Standard
sx	assoc-stp-rsp-total-tx	INT32	Incremental	active	The total number of Association setup response messages sent by the SX service.	increments when the SX service sends an Association setup response message.	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	assoc-stp-rsp-total-rx	INT32	Incremental	active	The total number Association setup response messages recieved by the SX service.	increments when the SX service recieves an Association setup response message	Per SX Service	Standard
sx	assoc-stp-rsp-initial-tx	INT32	Incremental	active	The number of initial Association setup response messages sent.	increments when the initial Association setup response message is sent	Per SX Service	Standard
sx	assoc-stp-rsp-initial-rx	INT32	Incremental	active	The number of initial Association setup response messages recieved.	increments when the initial Association setup response message is recieved	Per SX Service	Standard
sx	assoc-stp-rsp-accepted-tx	INT32	Incremental	active	The number of Association setup response messages sent with Accept cause.	increments when the Association setup response message is sent with Accept cause	Per SX Service	Standard
sx	assoc-stp-rsp-accepted-rx	INT32	Incremental	active	The number of Association setup response messages recieved with Accept cause.	increments when the Association setup response message is recieved with Accept cause	Per SX Service	Standard
sx	assoc-stp-rsp-denied-tx	INT32	Incremental	active	The number of Association setup response messages sent with Deny cause.	increments when the Association setup response message is sent with Deny cause	Per SX Service	Standard
sx	assoc-stp-rsp-denied-rx	INT32	Incremental	active	The number of Association setup response messages recieved with Deny cause.	increments when the Association setup response message is recieved with Deny cause	Per SX Service	Standard
sx	assoc-stp-rsp-retrans-tx	INT32	Incremental	active	The number of retransmit Association setup response messages sent.	increments when an Association setup response message is retransmitted	Per SX Service	Standard
sx	assoc-stp-rsp-discarded	INT32	Incremental	active	The number of Association setup response messages discarded by the SX service.	increments when the SX service discards an Association setup response message	Per SX Service	Standard
sx	assoc-updt-req-total-tx	INT32	Incremental	active	The total number Association update request messages sent by the SX service.	increments when the SX service sends an Association update request message	Per SX Service	Standard
sx	assoc-updt-req-total-rx	INT32	Incremental	active	The total number of Association update request messages recieved by the SX service.	increments when the SX recieves an Association update request message	Per SX Service	Standard
sx	assoc-updt-req-initial-tx	INT32	Incremental	active	The number of initial Association update request messages sent.	increments when the initial Association update request message is sent	Per SX Service	Standard
sx	assoc-updt-req-initial-rx	INT32	Incremental	active	The number of initial Association update request messages recieved.	increments when the Association update request message is recieved	Per SX Service	Standard
sx	assoc-updt-req-retrans-tx	INT32	Incremental	active	The number of retransmit Association update request messages sent.	increments when the Association update request message is retransmitted	Per SX Service	Standard
sx	assoc-updt-req-retrans-rx	INT32	Incremental	active	The number of retransmit Association update request messages recieved.	increments when the retransmitted Association update request message is recieved by the SX service	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	assoc-updt-req-no-rsp-rcvd	INT32	Incremental	active	The number of Association update request messages that did not recieve response.	increments when there is no response for Association update request message	Per SX Service	Standard
sx	assoc-updt-req-discarded	INT32	Incremental	active	The number of Association update request messages discarded.	increments when the SX service discards an Association update request message	Per SX Service	Standard
sx	assoc-updt-rsp-total-tx	INT32	Incremental	active	The total number of Association update response messages sent.	increments when the Association update response message is sent	Per SX Service	Standard
sx	assoc-updt-rsp-total-rx	INT32	Incremental	active	The total number of Association update response messages recieved.	increments when the Association update response message is recieved	Per SX Service	Standard
sx	assoc-updt-rsp-initial-tx	INT32	Incremental	active	The number of initial Association update response messages sent.	increments when the intial Association update response message is sent	Per SX Service	Standard
sx	assoc-updt-rsp-initial-rx	INT32	Incremental	active	The number of initial Association update response messages recieved.	increments when the initial Association update response message is recieved	Per SX Service	Standard
sx	assoc-updt-rsp-accepted-tx	INT32	Incremental	active	The number of Association update response messages sent with Accept cause.	increments when the Association update response message is sent with Accept cause	Per SX Service	Standard
sx	assoc-updt-rsp-accepted-rx	INT32	Incremental	active	The number of Association update response messages recieved with Accept cause.	increments when the Association update response message with Accept cause is recieved	Per SX Service	Standard
sx	assoc-updt-rsp-denied-tx	INT32	Incremental	active	The number of Association update response messages sent with Deny cause.	increments when the Association update response message is sent with Deny cause	Per SX Service	Standard
sx	assoc-updt-rsp-denied-rx	INT32	Incremental	active	The number of Association update response messages recieved with Deny cause.	increments when the Association update response message with Deny caus is recieved	Per SX Service	Standard
sx	assoc-updt-rsp-retrans-tx	INT32	Incremental	active	The number of retransmit Association update response messages sent.	increments when the Association update response message is retransmitted	Per SX Service	Standard
sx	assoc-updt-rsp-discarded	INT32	Incremental	active	The number of Association update response messages discarded.	increments when the Association update response message is discarded	Per SX Service	Standard
sx	assoc-rel-req-total-tx	INT32	Incremental	active	The total number of Association release request messages sent.	increments when the Association release request message is sent	Per SX Service	Standard
sx	assoc-rel-req-total-rx	INT32	Incremental	active	The total number of Association release request messages recieved.	increments when the Association release request message is recieved	Per SX Service	Standard
sx	assoc-rel-req-initial-tx	INT32	Incremental	active	The number of initial Association release request messages sent.	increments when the initial Association release request message is sent	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	assoc-rel-req-initial-rx	INT32	Incremental	active	The number of initial Association release request messages recieved.	increments when the initial Association release request message is recieved	Per SX Service	Standard
sx	assoc-rel-req-retrans-tx	INT32	Incremental	active	The number of Association release request messages retransmitted.	increments when the Association release request message is retransmitted	Per SX Service	Standard
sx	assoc-rel-req-retrans-rx	INT32	Incremental	active	The number of retransmitted Association release request messages recieved.	increments when the retrnasmitted Association release request message is recieved	Per SX Service	Standard
sx	assoc-rel-req-no-rsp-rcvd	INT32	Incremental	active	The number of Association release request messages that did not recieve response.	increments when there is no response for an Association release request message	Per SX Service	Standard
sx	assoc-rel-req-discarded	INT32	Incremental	active	The number of Association release request messages discarded.	increments when the Association release request message is discarded	Per SX Service	Standard
sx	assoc-rel-rsp-total-tx	INT32	Incremental	active	The total number of Association release response messages sent.	increments when the Association release response message is sent	Per SX Service	Standard
sx	assoc-rel-rsp-total-rx	INT32	Incremental	active	The total number of Association release response messages recieved.	increments when the Association release response message is recieved	Per SX Service	Standard
sx	assoc-rel-rsp-initial-tx	INT32	Incremental	active	The number of initial Association release response messages sent.	increments when the initial Association release response message is sent	Per SX Service	Standard
sx	assoc-rel-rsp-initial-rx	INT32	Incremental	active	The number of initial Association release response messages recieved.	increments when the initial Association release response message is recieved	Per SX Service	Standard
sx	assoc-rel-rsp-accepted-tx	INT32	Incremental	active	The number of Association release response messages sent with Accept cause.	increments when the Association release response message with Accept cause is sent	Per SX Service	Standard
sx	assoc-rel-rsp-accepted-rx	INT32	Incremental	active	The number of Association release response messages recieved with Accept cause.	increments when the Association release response message with Accept cause is recieved	Per SX Service	Standard
sx	assoc-rel-rsp-denied-tx	INT32	Incremental	active	The number of Association release response messages sent with Deny cause.	increments when the Association release response message with Deny cause is sent	Per SX Service	Standard
sx	assoc-rel-rsp-denied-rx	INT32	Incremental	active	The number of Association release response messages recieved with Deny cause.	increments when the Association release response message with Deny cause is recieved	Per SX Service	Standard
sx	assoc-rel-rsp-retrans-tx	INT32	Incremental	active	The number of Association release response messages retransmitted.	increments when the Association release response message is retransmitted	Per SX Service	Standard
sx	assoc-rel-rsp-discarded	INT32	Incremental	active	The number of Association release response messages discarded by the SX service.	increments when the SX service discards an Association release response message	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	nod-rep-req-total-tx	INT32	Incremental	active	The total number of Node report request messages sent.	increments when the Node report request message is sent	Per SX Service	Standard
sx	nod-rep-req-total-rx	INT32	Incremental	active	The total number of Node report request messages recieved.	increments when the Node report request message is recieved	Per SX Service	Standard
sx	nod-rep-req-initial-tx	INT32	Incremental	active	The number of initial Node report request messages sent.	increments when the Node report request message is sent	Per SX Service	Standard
sx	nod-rep-req-initial-rx	INT32	Incremental	active	The number of initial Node report request messages recieved.	increments when the Node report request message is recieved	Per SX Service	Standard
sx	nod-rep-req-retrans-tx	INT32	Incremental	active	The number of Node report request messages retransmitted.	increments when the Node report request message is retransmitted	Per SX Service	Standard
sx	nod-rep-req-retrans-rx	INT32	Incremental	active	The number of retransmitted Node report request messages recieved by the SX service.	increments when the SX service recieves a retransmitted Node report request message	Per SX Service	Standard
sx	nod-rep-req-no-rsp-rcvd	INT32	Incremental	active	The number of Node report request messages that did not recieve the response.	increments when the Node report request message does not recieve response	Per SX Service	Standard
sx	nod-rep-req-discarded	INT32	Incremental	active	The number of Node report request messages discarded by the SX service.	increments when the Node report request message is discarded	Per SX Service	Standard
sx	nod-rep-rsp-total-tx	INT32	Incremental	active	The total number of Node report response messages sent.	increments when the Node report response message is sent	Per SX Service	Standard
sx	nod-rep-rsp-total-rx	INT32	Incremental	active	The total number of Node report response messages recieved.	increments when the Node report response message is recieved	Per SX Service	Standard
sx	nod-rep-rsp-initial-tx	INT32	Incremental	active	The number of initial Node report response messages sent.	increments when the initial Node report response message is sent	Per SX Service	Standard
sx	nod-rep-rsp-initial-rx	INT32	Incremental	active	The number of initial Node report response messages recieved.	increments when the Node report response message is recieved	Per SX Service	Standard
sx	nod-rep-rsp-accepted-tx	INT32	Incremental	active	The number of Node report response messages sent with Accept cause.	increments when the Node report response message is sent with Accept cause	Per SX Service	Standard
sx	nod-rep-rsp-accepted-rx	INT32	Incremental	active	The number of Node report response messages recieved with Accept cause.	increments when the Node report response message with Accept cause is recieved	Per SX Service	Standard
sx	nod-rep-rsp-denied-tx	INT32	Incremental	active	The number of Node report response messages sent with Deny cause.	increments when the Node report response message with Deny cause is sent	Per SX Service	Standard
sx	nod-rep-rsp-denied-rx	INT32	Incremental	active	The number of Node report response messages recieved with Deny cause.	increments when the Node report response message with Deny cause is recieved	Per SX Service	Standard
sx	nod-rep-rsp-retrans-tx	INT32	Incremental	active	The number of Node report response messages retransmitted.	increments when the Node report response message is retransmitted	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	nod-rep-rsp-discarded	INT32	Incremental	active	The number of Node report response messages discarded by the SX service.	increments when the Node report response message is discarded	Per SX Service	Standard
sx	heartbt-req-total-tx	INT32	Incremental	active	The total number of Heartbeat request messages sent by the SX service.	increments when the Heartbeat request message is sent	Per SX Service	Standard
sx	heartbt-req-total-rx	INT32	Incremental	active	The total number Heartbeat request messages recieved by the SX service.	increments when the Heartbeat request message is recieved	Per SX Service	Standard
sx	heartbt-req-initial-tx	INT32	Incremental	active	The number of initial Heartbeat request messages sent.	increments when the initial Heartbeat request message is sent	Per SX Service	Standard
sx	heartbt-req-initial-rx	INT32	Incremental	active	The number of initial Heartbeat request messages recieved.	increments when the initial Heartbeat request message is recieved	Per SX Service	Standard
sx	heartbt-req-retrans-tx	INT32	Incremental	active	The number of Heartbeat request messages retransmitted.	increments when the Heartbeat request message is retransmitted	Per SX Service	Standard
sx	heartbt-rsp-total-tx	INT32	Incremental	active	The total number of Heartbeat response messages sent.	increments when the Heartbeat response message is sent	Per SX Service	Standard
sx	heartbt-rsp-total-rx	INT32	Incremental	active	The total number of Heartbeat response messages recieved.	increments when the Heartbeat response message is recieved	Per SX Service	Standard
sx	stats-qry-req-total-tx	INT32	Incremental	active	The total number of Stats query request messages sent.	increments when the Stats query request message is sent	Per SX Service	Standard
sx	stats-qry-req-total-rx	INT32	Incremental	active	The total number of Stats query request messages recieved	increments when the Stats query request message is recieved	Per SX Service	Standard
sx	stats-qry-req-initial-tx	INT32	Incremental	active	The number of initial Stats query request messages sent.	increments when the initial Stats query request message is sent	Per SX Service	Standard
sx	stats-qry-req-initial-rx	INT32	Incremental	active	The number of initial Stats query request messages recieved.	increments when the initial Stats query request message is recieved	Per SX Service	Standard
sx	stats-qry-req-retrans-tx	INT32	Incremental	active	The number of Stats query request messages retransmitted.	increments when the Stats query request message is retransmitted	Per SX Service	Standard
sx	stats-qry-req-retrans-rx	INT32	Incremental	active	The number of retransmitted Stats query request messages recieved by the SX service.	increments when the SX service recieves a retransmitted Stats query request message	Per SX Service	Standard
sx	stats-qry-req-no-rsp-rcvd	INT32	Incremental	active	The number of Stats query request messages that did not recieve response.	increments when the SX service does not recieve response for a Stats query request message	Per SX Service	Standard
sx	stats-qry-req-discarded	INT32	Incremental	active	The number of Stats query request messages discarded by the SX service.	increments when the SX service discards a Stats query request message	Per SX Service	Standard
sx	stats-qry-rsp-total-tx	INT32	Incremental	active	The total number of Stats query response messages sent by the SX service.	increments when the Stats query response message is sent	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	stats-qry-rsp-total-rx	INT32	Incremental	active	The total number of Stats query response messages recieved by the SX service.	increments when the Stats query response message is recieved	Per SX Service	Standard
sx	stats-qry-rsp-initial-tx	INT32	Incremental	active	The number of initial Stats query response messages sent.	increments when the initial Stats query response message is sent	Per SX Service	Standard
sx	stats-qry-rsp-initial-rx	INT32	Incremental	active	The number of initial Stats query response messages recieved.	increments when the initial Stats query response message is recieved	Per SX Service	Standard
sx	stats-qry-rsp-accepted-tx	INT32	Incremental	active	The number of Stats query response messages sent with Accept cause.	increments when the Stats query response message is sent with Accept cause	Per SX Service	Standard
sx	stats-qry-rsp-accepted-rx	INT32	Incremental	active	The number of Stats query response messages recieved with Accept cause.	increments when the Stats query response message is recieved with Accept cause	Per SX Service	Standard
sx	stats-qry-rsp-denied-tx	INT32	Incremental	active	The number of Stats query response messages sent with Deny cause.	increments when the Stats query response message is sent with Deny cause	Per SX Service	Standard
sx	stats-qry-rsp-denied-rx	INT32	Incremental	active	The number of Stats query response messages recieved with Deny cause.	increments when the Stats query response message is recieved with Deny cause	Per SX Service	Standard
sx	stats-qry-rsp-retrans-tx	INT32	Incremental	active	The number of Stats query response messages retransmitted.	increments when the Stats query response message is retransmitted	Per SX Service	Standard
sx	stats-qry-rsp-discarded	INT32	Incremental	active	The number of Stats query response messages discarded by the SX service.	increments when the SX service discards a Stats query response message	Per SX Service	Standard
sx	stats-qry-ack-total-tx	INT32	Incremental	active	The total number of Stats query ack messages sent.	increments when the Stats query ack message is sent	Per SX Service	Standard
sx	stats-qry-ack-total-rx	INT32	Incremental	active	The total number of Stats query ack messages recieved.	increments when the Stats query ack message is recieved	Per SX Service	Standard
sx	stats-qry-ack-initial-tx	INT32	Incremental	active	The number of initial Stats query ack messages sent.	increments when the initial Stats query ack message is sent	Per SX Service	Standard
sx	stats-qry-ack-initial-rx	INT32	Incremental	active	The number of initial Stats query ack messages recieved.	increments when the initial Stats query ack message is recieved	Per SX Service	Standard
sx	stats-qry-ack-retrans-tx	INT32	Incremental	active	The number of Stats query ack messages retransmitted.	increments when the Stats query ack message is retransmitted	Per SX Service	Standard
sx	stats-qry-ack-retrans-rx	INT32	Incremental	active	The number of retransmitted Stats query ack messages recieved.	increments when the SX service recives a retransmitted Stats query ack message	Per SX Service	Standard
sx	stats-qry-ack-discarded	INT32	Incremental	active	The number of Stats query ack messages discarded.	increments when the SX service discards a Stats query ack message	Per SX Service	Standard
sx	total-signal-pckts-tx	INT32	Incremental	active	The total number of Signlling packets sent.	increments when the SX service sends a signalling packet	Per SX Service	Standard
sx	total-signal-pckts-rx	INT32	Incremental	active	The total number of Signalling packets recieved.	increments when the SX service recieves a signalling packet	Per SX Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sx	total-signal-bytes-tx	INT32	Incremental	active	The total number of Signalling bytes sent.	increments when the signalling packet is sent	Per SX Service	Standard
sx	total-signal-bytes-rx	INT32	Incremental	active	The total number of Signalling bytes recieved.	increments when the signalling packet is recieved	Per SX Service	Standard
sx	num-self-protection-reached	INT32	Incremental	active	Number of times self protection reached	Increments when the self-protection condition is reached	Per SX Service	Standard
sx	num-session-estab-rejected-on-self-protection	INT32	Incremental	active	Number of Session Establishment Request messages rejected on self-protection mode	Increments when a Session Establishment Request message is rejected during self-protection	Per SX Service	Standard
sx	num-session-modif-rejected-on-self-protection	INT32	Incremental	active	Number of Session Modification Request messages rejected on self-protection mode	Increments when a Session Modification Request message is rejected during self-protection	Per SX Service	Standard
sx	num-emps-session-estab-allowed-on-self-protection	INT32	Incremental	active	Number of eMPS Session Establishment Request messages allowed on a self-protection mode	Increments when a eMPS Session Establishment Request Message is allowed during self protection	Per SX Service	Standard
sx	num-emps-session-modif-allowed-on-self-protection	INT32	Incremental	active	Number of eMPS Session Modification Request messages allowed on self-protection mode	Increments when a eMPS Session Modification Request Message is allowed during self-protection	Per SX Service	Standard
sx	on-self-protection	INT32	Incremental	active	allowed on self-protection mode	during self-protection	Per SX Service	Standard
sx	overload-reduction-metric	INT32	Primary-key	active	Overload reduction Metric	Has the value of overload Reduction metric	Per SX Service	Standard
sx	overload-factor-system	INT32	Primary-key	active	System Overload Factor	Has the value of current system Overload factor	Per SX Service	Standard
sx	overload-factor-session	INT32	Primary-key	active	Session Overload Factor	Has the value of the current session Overload factor	Per SX Service	Standard
sx	overload-factor-vpp-cpu	INT32	Primary-key	active	VPP CPU Overload Factor	Has the value of the current vpp-cpu Overload factor	Per SX Service	Standard
sx	load-metric	INT32	Primary-key	active	Load Metric	Has the value of the current Load metric	Per SX Service	Standard
sx	load-factor-system	INT32	Primary-key	active	System Load Factor	Has the value of current system Load factor	Per SX Service	Standard
sx	load-factor-session	INT32	Primary-key	active	Session Load Factor	Has the value of the current session Load factor	Per SX Service	Standard
sx	load-factor-vpp-cpu	INT32	Primary-key	active	VPP CPU Load Factor	Has the value of the current vpp-cpu Load factor	Per SX Service	Standard
sx	num-packets-dropped-on-overload	INT32	Incremental	active	Number of packets dropped on overload condition	Increments when packets are dropped on overload	Per SX Service	Standard
sx	num-bytes-dropped-on-overload	INT32	Incremental	active	Number of bytes dropped on overload condition	Increments when packets are dropped on overload	Per SX Service	Standard
sx	num-packets-dropped-on-self-protection	INT32	Incremental	active	Number of packets dropped on self-protection mode	Increments when packets are dropped on self-protection mode	Per SX Service	Standard
sx	num-bytes-dropped-on-self-protection	INT32	Incremental	active	Number of bytes dropped on self-protection mode	Increments when packets are dropped as part of self-protection mode	Per SX Service	Standard
mme	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Generated During System Startup	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MME service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
mme	servname	STRING	Primary-key	active	The name of the MME service for which these statistics are being displayed.	Configuration	Per MME Service	Standard
mme	servid	INT32	Primary-key	active	The identification number of the MME service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per MME Service	Standard
mme	sess-cur	INT32	Gauge	active	The total number of sessions currently established on this system.	Not Applicable	Per MME Service	Standard
mme	sess-ecm-connect	INT32	Gauge	active	The current total number of ECM sessions on the system.	Not Applicable	Per MME Service	Standard
mme	emmevent-assoc-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assoc-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assoc-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-associmsi-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-associmsi-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-associmsi-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assoclocguti-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assoclocguti-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assoclocguti-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assocnonlocguti-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assocnonlocguti-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-assocnonlocguti-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-auth-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS authentications - attempted.	Increments when the MME receives authentication request.	Per MME Service	Standard
mme	emmevent-auth-success	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS authentications - successes.	Increments when authentication procedure completes successfully for an authentication event.	Per MME Service	Standard
mme	emmevent-auth-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS authentications - failures.	Not Defined	Per MME Service	Standard
mme	emmevent-iden-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS identity - attempted.	Not Defined	Per MME Service	Standard
mme	emmevent-iden-success	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS identity - successes.	Not Defined	Per MME Service	Standard
mme	emmevent-iden-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS identity - failures.	Not Defined	Per MME Service	Standard
mme	emmevent-sec-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - security - attempted.	Not Defined	Per MME Service	Standard
mme	emmevent-sec-success	INT32	Incremental	active	The total number of EPS Mobility Management events - security - successes.	Not Defined	Per MME Service	Standard
mme	emmevent-sec-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - security - failures.	Not Defined	Per MME Service	Standard
mme	emmevent-x2ho-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - X2-based handovers - attempted.	Increments when the MME receives a Path switch request resulting in an X2 handover.	Per MME Service	Standard
mme	emmevent-x2ho-success	INT32	Incremental	active	The total number of EPS Mobility Management events - X2-based handovers - successes.	Increments when an X2 handover completes successfully.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emmevent-x2ho-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - X2-based handovers - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	emmevent-path-update-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - Path Update - attempted.	Increments when the MME receives a E RAB Modification Indication	Per MME Service	Standard
mme	emmevent-path-update-success	INT32	Incremental	active	The total number of EPS Mobility Management events - Path Update - successes.	Increments when the MME responds success for E RAB Modification Indication.	Per MME Service	Standard
mme	emmevent-path-update-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - Path Update - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	emmevent-s1ho-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - S1-based handovers - attempted.	Increments when the MME receives an S1AP HO required message resulting in intra-MME handover.	Per MME Service	Standard
mme	emmevent-s1ho-success	INT32	Incremental	active	The total number of EPS Mobility Management events - S1-based handovers - successes.	Increments when an intra-MME S1 handover completes successfully.	Per MME Service	Standard
mme	emmevent-s1ho-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - S1-based handovers - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	emmevent-s1ho-target-tai-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - Target TAI based S1 handovers - attempted.	Increments when the MME receives an S1AP HO required message resulting in intra-MME handover.	Per MME Service	Standard
mme	emmevent-s1ho-target-tai-success	INT32	Incremental	active	The total number of EPS Mobility Management events - Target TAI based S1 handovers - successes.	Increments when an intra-MME S1 handover completes successfully.	Per MME Service	Standard
mme	emmevent-s1ho-target-tai-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - Target TAI based S1 handovers - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	emmevent-tau-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-tau-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-tau-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-detach-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-detach-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-detach-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-detachueinit-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - user equipment initiated detach - attempts	Not Applicable	Per MME Service	Standard
mme	emmevent-detachueinit-success	INT32	Incremental	active	The total number of EPS Mobility Management events - UE initiated detach - successes	Not Applicable	Per MME Service	Standard
mme	emmevent-detachueinit-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - UE initiated detach - failures	Not Applicable	Per MME Service	Standard
mme	emmevent-detachnwinit-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - network initiated detach - attempts	Not Applicable	Per MME Service	Standard
mme	emmevent-detachnwinit-success	INT32	Incremental	active	The total number of EPS Mobility Management events - network initiated detach - successes	Not Applicable	Per MME Service	Standard
mme	emmevent-detachnwinit-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - network initiated detach - failures	Not Applicable	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emmevent-detachhssinit-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - home subscriber service initiated detach - attempts.	Not Defined	Per MME Service	Standard
mme	emmevent-detachhssinit-success	INT32	Incremental	active	The total number of EPS Mobility Management events - home subscriber service initiated detach - successes.	Not Defined	Per MME Service	Standard
mme	emmevent-detachhssinit-failure	INT32	Incremental	active	The total number of EPS Mobility Management events - home subscriber service initiated detach - failures.	Not Defined	Per MME Service	Standard
mme	ecmevent-idlemode-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - idle mode entry events - attempted.	Not Defined	Per MME Service	Standard
mme	ecmevent-idlemode-success	INT32	Incremental	active	The total number of EPS Connection Management events - idle mode entry events - successes.	Not Defined	Per MME Service	Standard
mme	ecmevent-idlemode-failure	INT32	Incremental	active	The total number of EPS Connection Management events - idle mode entry events - failures.	Not Defined	Per MME Service	Standard
mme	ecmevent-ue-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - UE-initiated service requests - attempted.	Not Defined	Per MME Service	Standard
mme	ecmevent-ue-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - UE-initiated service requests - successes.	Not Defined	Per MME Service	Standard
mme	ecmevent-ue-srvcreq-failure	INT32	Incremental	active	The total number of EPS Connection Management events - UE-initiated service requests - failures.	Not Defined	Per MME Service	Standard
mme	ecmevent-nw-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated service requests - attempted.	Not Defined	Per MME Service	Standard
mme	ecmevent-nw-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated service requests - failures.	Not Defined	Per MME Service	Standard
mme	ecmevent-nw-srvcreq-failure	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated service requests - failures.	Not Defined	Per MME Service	Standard
mme	ecmevent-srvcreq-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-srvcreq-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-srvcreq-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-paging-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-paging-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-paging-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-lastenb-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-lasttai-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-tailist-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ecmevent-s1rel-loadbalance	INT32	Incremental	active	The total number of EPS Connection Management events - S1 release for load rebalancing.	Not Defined	Per MME Service	Standard
mme	emmctrlmsg-sent-cleartext	INT32	Incremental	active	The total number of EPS Mobility Management control messages - sent - clear text messages.	This counter increments any time plain EMM messages (neither integrity protected nor ciphered) are sent.	Per MME Service	Standard
mme	emmctrlmsg-sent-integrity	INT32	Incremental	active	The total number of EPS Mobility Management control messages - sent - integrity-check enabled.	This counter increments any time integrity protected EMM messages are sent.	Per MME Service	Standard
mme	emmctrlmsg-sent-cipher	INT32	Incremental	active	The total number of EPS Mobility Management control messages - sent - ciphered messages.	This counter increments any time ciphered EMM messages are sent.	Per MME Service	Standard
mme	emmctrlmsg-sent-retrans	INT32	Incremental	active	The total number of EPS Mobility Management control messages - sent - retransmissions sent.	This counter increments when a retransmission message is sent, for example, an Attach Accept may be retransmitted n number of times if no response(Attach Complete) is received from the UE.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emmctrlmsg-sent-failure	INT32	Incremental	active	The total number of EPS Mobility Management control messages - sent - failures.	This counter increments when an EMM message is not sent due to lower layer failure.	Per MME Service	Standard
mme	emmctrlmsg-recv-cleartext	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - clear-text messages.	This counter increments any time plain EMM messages (neither integrity protected nor ciphered) are received.	Per MME Service	Standard
mme	emmctrlmsg-recv-integrity	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - integrity-check enabled.	This counter increments any time integrity protected EMM messages are received.	Per MME Service	Standard
mme	emmctrlmsg-recv-cipher	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - ciphered messages.	This counter increments any time ciphered EMM messages are received.	Per MME Service	Standard
mme	emmctrlmsg-recv-accept	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - accepted.	This counter increments any time EMM messages are received for further processing.	Per MME Service	Standard
mme	emmctrlmsg-recv-discard	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - discarded.	This counter increments any time EMM messages are ignored because the MME is busy processing some other procedure.	Per MME Service	Standard
mme	emmctrlmsg-recv-denied	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - denied.	This counter increments any time the security check fails for an EMM message received by the MME.	Per MME Service	Standard
mme	emmctrlmsg-recv-deocdefail	INT32	Incremental	active	The total number of EPS Mobility Management control messages - received - decode failures.	This counter increments any time the MME is unable to decode the EMM message as per 3GPP TS 24.301.	Per MME Service	Standard
mme	emmcall-attach-currcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - attached calls - current calls.	Not Defined	Per MME Service	Standard
mme	emmcall-attach-maxcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - attached calls - maximum calls.	Not Defined	Per MME Service	Standard
mme	emmcall-connect-curcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - connected calls - current calls.	Not Defined	Per MME Service	Standard
mme	emmcall-connect-maxcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - connected calls - maximum calls.	Not Defined	Per MME Service	Standard
mme	emmcall-idle-curcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - idle calls - current calls.	Not Defined	Per MME Service	Standard
mme	emmcall-idle-maxcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics - idle calls - maximum calls.	Not Defined	Per MME Service	Standard
mme	emmdisc-uedetach	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - UE detached.	Not Defined	Per MME Service	Standard
mme	emmdisc-pgwdetach	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - P-GW detached.	Not Defined	Per MME Service	Standard
mme	emmdisc-hssdetach	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - HSS detached.	Not Defined	Per MME Service	Standard
mme	emmdisc-mmedetach	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - MME detached.	Not Defined	Per MME Service	Standard
mme	emmdisc-implicitdetach	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - implicit detach.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emmdisc-localabort	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - local abort.	Not Defined	Per MME Service	Standard
mme	emmdisc-authfail	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - authentication failures.	Not Defined	Per MME Service	Standard
mme	emmdisc-subsparamfail	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - subscription parameter failures.	Not Defined	Per MME Service	Standard
mme	emmdisc-foreignplmnreject	INT32	Incremental	active	The total number of EPS Mobility Management disconnects as a result of a foreign GUTI and where the MME is configured to reject such foreign GUTIs.	This counter increments when an Attach or TAU request containing a foreign GUTI is rejected due to restrictions set in the Foreign PLMN GUTI Management Database (foreign-plmn-guti-mgmt-db) configured in the lte-policy mode and which has been associated with the MME service.	Per MME Service	Standard
mme	emmdisc-apnnotsupinplmnrat	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mme	emmdisc-noepssubscription	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mme	emmdisc-otherreasons	INT32	Incremental	active	The total number of EPS Mobility Management disconnect statistics - other reasons.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-attempt	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections - attempted.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-success	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections - successes.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-failure	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections - failures.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv4-attempt	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv4 - attempted.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv4-success	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv4 - successes.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv4-failure	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv4 - failures.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv6-attempt	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv6 - attempted.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv6-success	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv6 - successes.	Not Defined	Per MME Service	Standard
mme	esmevent-pdncon-ipv6-failure	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type IPv6 - failures.	Not Defined	Per MME Service	Standard
mme	esmevent-dcnr-user-pdncon-attempt	INT32	Incremental	active	The total number of EPS Session Management events - DCNR User PDN connections - attempted.	Not Defined	Per MME Service	Standard
mme	esmevent-dcnr-user-pdncon-success	INT32	Incremental	active	The total number of EPS Session Management events - DCNR User PDN connections - successes.	Not Defined	Per MME Service	Standard
mme	esmevent-dcnr-user-pdncon-failure	INT32	Incremental	active	The total number of EPS Session Management events - DCNR User PDN connections - failures.	Not Defined	Per MME Service	Standard
mme	esmevent-pdndiscon-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-pdndiscon-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-pdndiscon-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-defbearact-attempt	INT32	Incremental	active	The total number of EPS Session Management events - default bearer activations - attempted.	Increments when the MME receives a default bearer activation event.	Per MME Service	Standard
mme	esmevent-defbearact-success	INT32	Incremental	active	The total number of EPS Session Management events - default bearer activations - successes.	Increments when default bearer activation completes successfully.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esmevent-defbearact-failure	INT32	Incremental	active	The total number of EPS Session Management events - default bearer activations - failures.	Not Defined	Per MME Service	Standard
mme	esmevent-dedbearact-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-dedbearact-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-dedbearact-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-beardeact-attempt	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-beardeact-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmevent-beardeact-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-sent-cleartext	INT32	Incremental	active	The total number of EPS Session Management control messages - sent - clear-text messages.	Not Defined	Per MME Service	Standard
mme	esmctrlmsg-sent-integrity	INT32	Incremental	active	The total number of EPS Session Management control messages - sent - integrity-check enabled.	Not Defined	Per MME Service	Standard
mme	esmctrlmsg-sent-cipher	INT32	Incremental	active	The total number of EPS Session Management control messages - sent - ciphered messages.	Not Defined	Per MME Service	Standard
mme	esmctrlmsg-sent-retrans	INT32	Incremental	active	The total number of EPS Session Management control messages - sent - retransmissions sent.	Not Defined	Per MME Service	Standard
mme	esmctrlmsg-sent-failure	INT32	Incremental	active	The total number of EPS Session Management control messages - sent - failures.	Not Defined	Per MME Service	Standard
mme	esmctrlmsg-recv-cleartext	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-integrity	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-cipher	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-accept	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-discard	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-denied	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esmctrlmsg-recv-deocdefail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	sctp-transdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init chunks.	Increments when MME sends INIT Chunk to eSMLC to establish sctp connection. Note: Retransmitted INIT Chunks with same Initiate Tag do increment this counter.	Per MME Service	Standard
mme	sctp-transdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init acknowledge chunks.	Increments when MME sends INIT ACK Chunk to eSMLC to acknowledge the INIT Chunk sent by eSMLC earlier to establish sctp association.	Per MME Service	Standard
mme	sctp-transdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown chunks.	Increments when MME sends shutdown chunk to terminate the sctp connection with eSMLC.	Per MME Service	Standard
mme	sctp-transdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown acknowledge chunks.	Increments when MME sends SHUTDOWN ACK Chunk to acknowledge the receipt of SHUTDOWN Chunk from eSMLC.	Per MME Service	Standard
mme	sctp-transdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie chunks.	Increments when MME sends COOKIE ECHO Chunk to eSMLC during the initialization of sctp association.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	sctp-transdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie acknowledge chunks.	Increments when MME sends COOKIE ACK Chunk to eSMLC to acknowledge the receipt of a COOKIE ECHO chunk which eSMLC has sent earlier.	Per MME Service	Standard
mme	sctp-transdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data chunks.	Increments when MME sends DATA Chunk to eSMLC containing the application layer payload.	Per MME Service	Standard
mme	sctp-transdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data acknowledge chunks.	Increments when MME sends SACK Chunk to eSMLC to acknowledge received DATA chunks.	Per MME Service	Standard
mme	sctp-transdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown complete chunks.	Increments when MME sends SHUTDOWN COMPLETE Chunk to eSMLC to acknowledge the receipt of the SHUTDOWN ACK chunk at the completion of the shutdown process.	Per MME Service	Standard
mme	sctp-transdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat chunks.	Increments when MME sends HEARTBEAT Chunk to eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per MME Service	Standard
mme	sctp-transdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat acknowledge chunks.	Increments when MME sends HEARTBEAT ACK chunk to eSMLC as a response to a HEARTBEAT chunk.	Per MME Service	Standard
mme	sctp-transdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - abort chunks.	Increments when MME sends ABORT Chunk to eSMLC to close the existing association.	Per MME Service	Standard
mme	sctp-transdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - error chunks.	Increments when MME sends ERROR Chunk to eSMLC to notify it of certain error conditions.	Per MME Service	Standard
mme	sctp-recdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init chunks.	Increments when MME Receives INIT Chunk from eSMLC when eSMLC wants to initiate an SCTP association.	Per MME Service	Standard
mme	sctp-recdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init acknowledge chunks.	Increments when MME receives INIT ACK Chunk from eSMLC acknowledging the initiation of an SCTP association by MME.	Per MME Service	Standard
mme	sctp-recdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown chunks.	Increments when MME receives SHUTDOWN Chunk from eSMLC.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	sctp-recdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown acknowledge chunks.	Increments when MME receives SHUTDOWN ACK Chunk from eSMLC acknowledging the SHUTDOWN Chunk sent by MME previously.	Per MME Service	Standard
mme	sctp-recdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie chunks.	Increments when MME receives COOKIE ECHO Chunk from eSMLC which has initiated the sctp association.	Per MME Service	Standard
mme	sctp-recdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie acknowledge chunks.	Increments when MME receives COOKIE ACK Chunk from eSMLC acknowledging the COOKIE ECHO Chunk sent by MME previously.	Per MME Service	Standard
mme	sctp-recdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data chunks.	Increments when MME receives DATA Chunk from eSMLC containing the application layer payload data.	Per MME Service	Standard
mme	sctp-recdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data acknowledge chunks.	Increments when MME receives SACK Chunk from eSMLC for the DATA Chunk which MME has already sent.	Per MME Service	Standard
mme	sctp-recdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown complete chunks.	Increments when MME receives SHUTDOWN COMPLETE Chunk from the eSMLC acknowledging the SHUTDOWN ACK Chunk which MME has already sent.	Per MME Service	Standard
mme	sctp-recdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat chunks.	Increments when MME receives HEART BEAT Chunk from eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per MME Service	Standard
mme	sctp-recdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat acknowledge chunks.	Increments when MME receives HEARTBEAT ACK Chunk from eSMLC acknowledging the HEARTBEAT Chunk which MME has sent earlier.	Per MME Service	Standard
mme	sctp-recdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - abort chunks.	Increments when MME receives ABORT Chunk from eSMLC closing the association.	Per MME Service	Standard
mme	sctp-recdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - error chunks.	Increments when MME receives ERROR Chunk from eSMLC to notify MME of certain error conditions.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	sctp-retransdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - init chunks.	Increments when MME retransmits INIT Chunk to eSMLC.	Per MME Service	Standard
mme	sctp-retransdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown chunks.	Increments when MME retransmits SHUTDOWN Chunk to eSMLC.	Per MME Service	Standard
mme	sctp-retransdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown acknowledge chunks.	Increments when MME retransmits SHUTDOWN ACK Chunk to eSMLC.	Per MME Service	Standard
mme	sctp-retransdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie chunks.	Increments when MME retransmits COOKIE ECHO Chunk to eSMLC.	Per MME Service	Standard
mme	sctp-retransdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie acknowledge chunks.	Increments when MME retransmits DATA Chunk to eSMLC.	Per MME Service	Standard
mme	sctp-totsent-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes sent to lower layer.	Increments when SLs Application layer DATA is transmitted to eSMLC in terms of number of bytes.	Per MME Service	Standard
mme	sctp-totrec-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes received from lower layer.	Increments when SLs Application layer DATA is received at MME from eSMLC in terms of number of bytes.	Per MME Service	Standard
mme	sctp-totsent-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets sent to lower layer.	Increments when MME sends DATA Chunks to eSMLC.	Per MME Service	Standard
mme	sctp-totrec-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets received from lower layer.	Increments when MME receives DATA chunks from eSMLC.	Per MME Service	Standard
mme	s1ap-transdata-setupres	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1 setup responses.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-setupresfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1 setup response failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset acknowledgements.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-olstart	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - overload start messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-olstop	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - overload stop messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-mmedirinftra	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - MME direct information transfers.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-paging	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - paging messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-pagingpriocs	INT32	Incremental	active	The total number of paging messages sent with priority IE for CS.	Incremented when MME sends paging message with priority IE for CS	Per MME Service	Proprietary
mme	s1ap-transdata-pagingpriops	INT32	Incremental	active	The total number of paging messages sent with priority IE for PS.	Incremented when MME sends paging message with priority IE for PS	Per MME Service	Proprietary
mme	s1ap-transdata-enbcfgupdack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - EnodeB configuration update acknowledgements.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-transdata-enbcfgupdfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - EnodeB configuration update failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-ctrlmsgencfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP control message failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-erabsetupreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB setup requests.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-erabmodreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB modify requests.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-erabrelcmd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB release commands.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-ctxtsetupreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - initial context setup requests.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-uectxtrel	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - UE context release commands.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-uectxtmod	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - UE context modify requests.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-dlnastrans	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - downlink NAS transports.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - error indications.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-hocmd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover commands.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-hoprepfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover preparation failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-horeq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover requests.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-hocanack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover cancel acknowledgements.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-pathswreqack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - path switch request acknowledgements.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-pathswreqfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - path switch request failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-dlinktunnel	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - downlink S1 CDMA2000 tunneling.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-tracestart	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - trace starts.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-deactivtrace	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - deactivation trace messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-mmetrans	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - MME status transfers.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-locrepctrl	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - location report control messages.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-encfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP encode failures.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-cfgupd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP configuration updates.	Not Defined	Per MME Service	Standard
mme	s1ap-transdata-mmecfgtfr	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP configuration transfers.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-transdata-pagingdrop	INT32	Incremental	active	The total S1 paging requests to all eNodeBs which were dropped due to the number of S1 paging requests exceeding the S1 paging rate threshold. This bulk stat counter is cumulative for all eNodeBs for all MME services on the system, and is available as long as the eNodeB is connected with the MME.	This counter increments when an S1 paging request is dropped because the number of S1 paging requests exceeded the S1 paging rate threshold as configured in Global Config Mode command: network-overload-protection mme-tx-msg-rate-control enb s1-paging .	Per MME Service	Standard
mme	s1ap-recdata-setupreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1 setup requests.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - resets.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - reset acknowledgements.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-enbdirinftrans	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB direct information transfers.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-enbcfgupd	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB configuration updates.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ctrlmsgdecfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP control message decode failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ctrlmsgunexpevt	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP control message unexpected events.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-erabsetupres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RA setup responses.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-erabmodres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB modify responses.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-erabrelres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB release responses.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-erabrelind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB release indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ctxtsetupres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial context setup responses.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ctxtsetupfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial context setup failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-uectxtrelreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context release requests.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-uectxtrelcomp	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context release completions.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-uectxtmodres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context modify responses.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-uectxtmodfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context modify failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-inituemsg	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial UE messages.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ulinknastp	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - uplink NAS transports.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-nasnondelind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - NAS non-delivery indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - error indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-horeqack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover request acknowledgements.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-recdata-hocancel	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover cancellations.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-horequire	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover required messages.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-hofail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-honotify	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover notify messages.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-pathswreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - path switch requests.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-enbstatustrans	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB status transfers.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-uecap	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE capability information indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-ulinktunnel	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - uplink S1 CDMA 2000 tunneling.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-tracefailind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - trace failure indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-locrep	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - location reports.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-locrepfailind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - location report failure indications.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-decfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP decode failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-unexpevt	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP unexpected events.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-cfgupdfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - MME configuration update failures.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-cfgupdack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - MME configuration update acknowledgements.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-enbcfgtfr	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - eNodeB configuration transfer messages.	Not Defined	Per MME Service	Standard
mme	s1ap-recdata-celltrfctrc	INT32	Incremental	active	The total number of S1 Application Protocol - Cell Traffic Trace messages received from all eNodeBs.	Increments when a Cell Traffic Trace message is received from eNodeB.	Per MME Service	Standard
mme	s1ap-recdata-eRabModInd	INT32	Incremental	active	The total number of S1 Application Protocol - E-RAB Modification Indication messages received from all eNodeBs.	Increments when a E-RAB Modification Indication message is received from eNodeB.	Per MME Service	Standard
mme	s1ap-recdata-secratdatausagerep	INT32	Incremental	active	The total number of S1 Application Protocol - Secondary RAT Data Usage Report messages received from all eNodeBs.	Increments when a Secondart RAT Data Usage Report message is received from eNodeB.	Per MME Service	Standard
mme	s1ap-enodeb-assoc	INT32	Incremental	active	The total number of S1 Application Protocol - eNodeB - association messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-unknownmme-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - transmitted - unknown MME UE S1AP ID messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-unknownenb-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - transmitted - unknown eNodeB UE S1AP ID messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-unknownpair-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - transmitted - unknown UE S1AP ID pair messages.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-err-tfr-synerr	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - transmitted - transfer syntax error messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-semanticerr	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - transmitted - semantic error messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-msgnotcompatible	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - transmitted - message not compatible messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-aserej	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - transmitted - abstract syntax error - reject messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-aseignore-notify	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - transmitted - abstract syntax error - ignore and notify messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-asefalsely-constrmsg	INT32	Incremental	active	The total number of S1 Application Protocol - transmitted - abstract syntax error - falsely constructed messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-unknownmme-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - received - unknown MME UE S1AP ID messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-unknownenb-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - received - unknown eNodeB UE S1AP ID messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-unknownpair-ues1apid	INT32	Incremental	active	The total number of S1 Application Protocol - radio network error statistics - received - unknown UE S1AP ID pair messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-tfr-synerr	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - transfer syntax error messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-semanticerr	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - semantic error messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-msgnotcompatible	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - message not compatible messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-aserej	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - abstract syntax error - reject messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-aseignore-notify	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - abstract syntax error - ignore and notify messages.	Not Defined	Per MME Service	Standard
mme	s1ap-err-rcv-asefalsely-constrmsg	INT32	Incremental	active	The total number of S1 Application Protocol - protocol error statistics - received - abstract syntax error - falsely constructed messages.	Not Defined	Per MME Service	Standard
mme	s1ap-up-ue-lppa	INT32	Incremental	active	The total number of S1AP Protocol - Uplink UE associated LPPa Transport messages received.	Increments when Uplink UE associated LPPa Transport message is received at MME during location procedure.	Per MME Service	Standard
mme	s1ap-dn-ue-lppa	INT32	Incremental	active	The total number of S1AP Protocol - Downlink UE associated LPPa Transport messages transmitted.	Increments when Downlink UE associated LPPa Transport message is transmitted by MME during location procedure.	Per MME Service	Standard
mme	s1ap-up-non-ue-lppa	INT32	Incremental	active	The total number of S1AP Protocol - Uplink Non-UE associated LPPa Transport messages received.	Increments when Uplink Non-UE associated LPPa Transport message is received at MME during location procedure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-dn-non-ue-lppa	INT32	Incremental	active	The total number of S1AP Protocol - Downlink Non-UE associated LPPa Transport messages transmitted.	Increments when Downlink Non-UE associated LPPa Transport message is transmitted by MME during location procedure.	Per MME Service	Standard
mme	emmevent-tauattach-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-tauattach-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-outrauho4g3g-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-outrauho4g3g-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-outs1ho4g3g-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-outs1ho4g3g-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-intauho3g4g-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-intauho3g4g-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-ins1ho3g4g-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emmevent-ins1ho3g4g-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	epsattach-imsi-attempted	INT32	Incremental	active	The total number of EPS associations by attach using IMSI - attempts.	Not Defined	Per MME Service	Standard
mme	epsattach-imsi-success	INT32	Incremental	active	The total number of EPS associations by attach using IMSI - successes.	Not Defined	Per MME Service	Standard
mme	epsattach-imsi-failures	INT32	Incremental	active	The total number of EPS associations by attach using IMSI - failures.	Not Defined	Per MME Service	Standard
mme	epsattach-emergency-attempted	INT32	Incremental	active	The total number of EPS associations for emergency bearer services - attempts.	Not Defined	Per MME Service	Standard
mme	epsattach-emergency-success	INT32	Incremental	active	The total number of EPS associations for emergency bearer services - successes.	Not Defined	Per MME Service	Standard
mme	epsattach-emergency-failures	INT32	Incremental	active	The total number of EPS associations for emergency bearer services - failures.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-local-attempted	INT32	Incremental	active	The total number of EPS associations by attach using local GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-local-success	INT32	Incremental	active	The total number of EPS associations by attach using local GUTI - successes.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-local-failures	INT32	Incremental	active	The total number of EPS associations by attach using local GUTI - failures.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme	epsattach-guti-foreign-failures	INT32	Incremental	active	The total number of EPS associations by attach using foreign GUTI - failures.	Not Defined	Per MME Service	Standard
mme	epsattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme	epsattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme	epsattach-ptmsi-failures	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - failures.	Not Defined	Per MME Service	Standard
mme	epstauattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by TAU attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	epstauattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by TAU attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme	epstauattach-guti-foreign-failures	INT32	Incremental	active	The total number of EPS associations by TAU attach using foreign GUTI - failures.	Not Defined	Per MME Service	Standard
mme	epstauattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by TAU attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme	epstauattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by TAU attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	epstauattach-ptmsi-failures	INT32	Incremental	active	The total number of EPS associations by TAU attach using P-TMSI - failures.	Not Defined	Per MME Service	Standard
mme	combinedattach-imsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - attempts.	Not Defined	Per MME Service	Standard
mme	combinedattach-imsi-success	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - successes.	Not Defined	Per MME Service	Standard
mme	combinedattach-imsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combinedattach-imsi-failure	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - failures.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-local-attached	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-local-success	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - successes.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-local-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-local-failure	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - failures.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-foreign-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combinedattach-guti-foreign-failure	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - failures.	Not Defined	Per MME Service	Standard
mme	combinedattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme	combinedattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme	combinedattach-ptmsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combinedattach-ptmsi-failure	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - failures.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-guti-foreign-success-eps	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-guti-foreign-failure	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - failures.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-ptmsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme	combined-tauattach-ptmsi-failure	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - failures.	Not Defined	Per MME Service	Standard
mme	tau-periodic-attempted	INT32	Incremental	active	The total number of EMM periodic TAU request attempts where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme	tau-periodic-success	INT32	Incremental	active	The total number of EMM periodic TAU request successes where the update type was set to periodic.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	tau-periodic-failures	INT32	Incremental	active	The total number of EMM periodic TAU request failures where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme	tau-normal-attempted	INT32	Incremental	active	The total number of EMM TAU request attempts where the EPS update type is set to TA updating (without S-GW relocation).	Increments when the MME receives a TAU request with EPS Update type TA updating.	Per MME Service	Standard
mme	tau-normal-success	INT32	Incremental	active	The total number of EMM TAU request successes where the EPS update type was set to TA updating (without S-GW relocation).	Increments when a TAU request with EPS Update type TA updating completes successfully.	Per MME Service	Standard
mme	tau-normal-failures	INT32	Incremental	active	The total number of EMM TAU request failures where the update type was set to periodic (without S-GW relocation). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	tau-active-attempted	INT32	Incremental	active	The total number of EMM TAU with bearer activation attempts (activate bearer flag set to true in the TAU procedure).	Increments when MME receives a TAU request with activate bearer flag set to true.	Per MME Service	Standard
mme	tau-active-success	INT32	Incremental	active	The total number of EMM TAU with bearer activation successes (activate bearer flag set to true in the TAU procedure).	Increments when a TAU request with activate bearer flag set to true completes successfully.	Per MME Service	Standard
mme	tau-active-failures	INT32	Incremental	active	The total number of EMM TAU with bearer activation failures (activate bearer flag set to true in the TAU procedure).	Not Defined	Per MME Service	Standard
mme	tau-sgw-change-attempted	INT32	Incremental	active	The total number of EMM TAU with S-GW relocation attempts (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	tau-sgw-change-success	INT32	Incremental	active	The total number of EMM TAU with S-GW relocation successes (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	tau-sgw-change-failures	INT32	Incremental	active	The total number of EMM TAU with S-GW relocation failures (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	dtal-tau-periodic-attempted	INT32	Incremental	active	The total number of EMM Dynamic TAI List periodic TAU request attempts where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme	dtal-tau-periodic-success	INT32	Incremental	active	The total number of EMM Dynamic TAI List periodic TAU request successes where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme	dtal-tau-periodic-failures	INT32	Incremental	active	The total number of Dynamic TAI List periodic TAU request failures where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme	dtal-tau-normal-attempted	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU request attempts where the EPS update type is set to TA updating (without S-GW relocation).	Increments when the MME receives a Dynamic TAI List TAU request with EPS Update type TA updating.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	dtal-tau-normal-success	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU request successes where the EPS update type was set to TA updating (without S-GW relocation).	Increments when a Dynamic TAI List TAU request with EPS Update type TA updating completes successfully.	Per MME Service	Standard
mme	dtal-tau-normal-failures	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU request failures where the update type was set to periodic (without S-GW relocation). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	dtal-tau-active-attempted	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with bearer activation attempts (activate bearer flag set to true in the TAU procedure).	Increments when MME receives a Dynamic TAI List TAU request with activate bearer flag set to true.	Per MME Service	Standard
mme	dtal-tau-active-success	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with bearer activation successes (activate bearer flag set to true in the TAU procedure).	Increments when a Dynamic TAI List TAU request with activate bearer flag set to true completes successfully.	Per MME Service	Standard
mme	dtal-tau-active-failures	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with bearer activation failures (activate bearer flag set to true in the TAU procedure).	Not Defined	Per MME Service	Standard
mme	dtal-tau-sgw-change-attempted	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with S-GW relocation attempts (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	dtal-tau-sgw-change-success	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with S-GW relocation successes (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	dtal-tau-sgw-change-failures	INT32	Incremental	active	The total number of EMM Dynamic TAI List TAU with S-GW relocation failures (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later, this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi-xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme	paging-init-events-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	paging-init-events-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	paging-init-events-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	paging-last-enb-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	paging-last-tai-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	paging-tai-list-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-init-events-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-init-events-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-init-events-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-last-enb-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-last-tai-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	ps-paging-tai-list-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-1-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service.	Per MME Service	Standard
mme	ps-qci-1-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service, and succeeds.	Per MME Service	Standard
mme	ps-qci-1-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Standard
mme	ps-qci-1-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	ps-qci-1-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	ps-qci-1-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	ps-qci-2-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-2-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-2-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-2-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-2-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-2-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-3-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-3-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-3-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-3-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-3-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-3-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-4-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-4-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-4-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-4-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-4-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-4-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-5-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-5-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-5-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-5-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-5-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-5-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-6-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-6-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-6-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-6-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-6-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-6-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-7-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-7-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-7-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-7-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-7-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-7-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-8-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-8-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-8-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-8-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-8-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-8-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-9-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-9-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-9-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-9-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-9-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-9-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-80-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when MME starts to page UE for packet service	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-80-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-80-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-80-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-80-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-80-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier 80	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-82-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when MME starts to page UE for packet service	Per MME Service	Standard
mme	ps-qci-82-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-82-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-82-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-82-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-82-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier 82	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-qci-83-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when MME starts to page UE for packet service	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-qci-83-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when MME starts to page UE for packet service, and succeeds	Per MME Service	Standard
mme	ps-qci-83-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when MME starts to page UE for packet service,and fails	Per MME Service	Standard
mme	ps-qci-83-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-83-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per MME Service	Standard
mme	ps-qci-83-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier 83	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per MME Service	Standard
mme	ps-arp-1-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-1-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-1-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-1-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-1-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-1-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-2-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-2-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-2-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service, and fails	Per MME Service	Proprietary
mme	ps-arp-2-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-2-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-2-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-3-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-3-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-3-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-3-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-3-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-3-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-4-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-4-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-4-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-4-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-4-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-4-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-5-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-5-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-5-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-5-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-5-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-5-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-6-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-6-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-6-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-6-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-6-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-6-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-7-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 7 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-7-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 7 event.	Not Defined	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-7-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 7 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-7-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-7-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-7-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-8-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-8-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-8-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-8-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-8-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-8-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-9-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-9-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-9-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-9-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-9-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-9-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-10-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-10-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-10-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-10-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-10-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-10-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-11-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-11-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-11-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-11-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-11-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-11-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-12-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-12-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-12-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-12-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-12-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-12-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-13-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-13-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-13-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-13-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-13-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-13-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-14-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-14-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-14-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-arp-14-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per MME Service	Proprietary
mme	ps-arp-14-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-14-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-arp-15-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary
mme	ps-arp-15-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-arp-15-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-arp-15-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-15-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-arp-15-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-apn-profile-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service.	Per MME Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-apn-profile-paging-init-events-success	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiattion Events that were successful. This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per MME Service	Proprietary
mme	ps-apn-profile-paging-init-events-failures	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that Failed. This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service, and fails.	Per MME Service	Proprietary
mme	ps-apn-profile-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for APN-Profile event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Proprietary
mme	ps-apn-profile-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for APN-Profile events.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Proprietary
mme	ps-apn-profile-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for APN-Profile event.	Increments when the UE responds tot he paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Proprietary
mme	ps-sms-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch SMS service.	Per MME Service	Standard
mme	ps-sms-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch SMS service, and succeeds.	Per MME Service	Standard
mme	ps-sms-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch SMS service, and fails.	Per MME Service	Standard
mme	ps-sms-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	ps-sms-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ps-sms-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS SMS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch SMS after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	cs-voice-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch voice service.	Per MME Service	Standard
mme	cs-voice-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch voice service, and succeeds.	Per MME Service	Standard
mme	cs-voice-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch voice service, and fails.	Per MME Service	Standard
mme	cs-voice-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for Circuit Switch voice service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	cs-voice-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch voice service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	cs-voice-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch voice service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	cs-sms-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch SMS service.	Per MME Service	Standard
mme	cs-sms-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch SMS service, and succeeds.	Per MME Service	Standard
mme	cs-sms-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch SMS service, and fails.	Per MME Service	Standard
mme	cs-sms-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	cs-sms-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	cs-sms-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch SMS after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	cs-other-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service.	Per MME Service	Standard
mme	cs-other-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service, and succeeds.	Per MME Service	Standard
mme	cs-other-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service, and fails.	Per MME Service	Standard
mme	cs-other-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at the last known eNodeB..	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	cs-other-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	cs-other-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	signaling-detach-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that were attempted.	Increments when MME pages the UE to detach the UE.	Per MME Service	Standard
mme	signaling-detach-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that were successful.	Increments when MME pages the UE to detach the UE, and succeeds.	Per MME Service	Standard
mme	signaling-detach-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that failed.	Increments when MME pages the UE to detach the UE, and fails.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	signaling-detach-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt to detach the UE at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	signaling-detach-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt to detach the UE at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	signaling-detach-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt to detach the UE after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that were attempted.	Increments when MME pages the UE to reconnect PDN	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that were successful	Increments when MME pages the UE to reconnect PDN and succeeds	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that failed	Increments when MME pages the UE to reconnect PDN and fails	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt to reconnect PDN at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Increments when the UE responds to the paging attempt to reconnect PDN at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	signalling-pdn-reconn-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt to reconnect PDN after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	signaling-lcs-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that were attempted.	Increments when MME pages the UE due to an LCS Position Request.	Per MME Service	Standard
mme	signaling-lcs-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that were successful.	Increments when MME pages the UE due to an LCS Position Request, and succeeds.	Per MME Service	Standard
mme	signaling-lcs-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that failed.	Increments when MME pages the UE due to an LCS Position Request, and fails.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	signaling-lcs-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for an LCS Position Request at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per MME Service	Standard
mme	signaling-lcs-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for an LCS Position Request at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	signaling-lcs-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for an LCS Position Request after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	signaling-ipne-paging-init-events-attempted	INT32	Incremental	active	Proprietary counter tracks the number of IPNE-triggered paging attempts.	Increments each attempt at paging triggered by the MME receiving an IPNE query request for a UE in idle mode.	Per MME Service	Standard
mme	signaling-ipne-paging-init-events-success	INT32	Incremental	active	Proprietary counter tracks the number of times IPNE-triggered paging succeeds.	Increments when paging, triggered by the MME receiving an IPNE query request for a UE in idle mode, is successful.	Per MME Service	Standard
mme	signaling-ipne-paging-init-events-failures	INT32	Incremental	active	Proprietary counter tracks the number of times that IPNE-triggered paging fails.	Increments when paging, triggered by the MME receiving an IPNE query request for a UE in idle mode, fails.	Per MME Service	Standard
mme	signaling-ipne-paging-last-enb-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with last eNB paging.	Increments when paging in last eNB is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per MME Service	Standard
mme	signaling-ipne-paging-last-tai-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with last TAI paging.	Increments when paging in last TAI is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per MME Service	Standard
mme	signaling-ipne-paging-tai-list-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with TAI list paging.	Increments when paging in the TAI list is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	signaling-noderes-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that were attempted.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature.	Per MME Service	Standard
mme	signaling-noderes-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that were successful.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature, and succeeds.	Per MME Service	Standard
mme	signaling-noderes-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that failed.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature, and fails.	Per MME Service	Standard
mme	signaling-noderes-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt at the last known eNodeB (paging profile used: last-n-enb-last-tai)..	Per MME Service	Standard
mme	signaling-noderes-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per MME Service	Standard
mme	signaling-noderes-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per MME Service	Standard
mme	signaling-idr-paging-init-events-attempted	INT32	Incremental	active	This proprietary counter tracks the total number of times the MME attempts IDR-initiated paging of a UE.	Increments when, in response to an IDR Request if the UE is in idle mode, the MME attempts to page the UE.	Per MME Service	Standard
mme	signaling-idr-paging-init-events-success	INT32	Incremental	active	This proprietary counter tracks the total number of times the MME successfully performs IDR-initiated paging of a UE.	Increments when, in response to an IDR Request if the UE is in idle mode, the MME succeeds in paging the UE.	Per MME Service	Standard
mme	signaling-idr-paging-init-events-failures	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging of a UE fails.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME fails in paging the UE.	Per MME Service	Standard
mme	signaling-idr-paging-last-enb-success	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging of an eNodeB was successful.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME succeeds in paging the last eNodeB.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	signaling-idr-paging-last-tai-success	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging the last Tracking Area Identifier (TAI) was successful.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME succeeds in paging the last TAI.	Per MME Service	Standard
mme	signaling-idr-paging-tai-list-success	INT32	Incremental	active	This proprietary counter tracks the total number of successful IDR-initiated pagings to a UE at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when MME attempts to page the UE, and succeeds after the entire TAI list was checked.	Per MME Service	Standard
mme	csfb-ue-voice-total	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Voice procedures.	Increments when the total number of CSFB Statistics-related UE initiated Voice procedures succeeds or fails.	Per MME Service	Standard
mme	csfb-ue-voice-success	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Voice procedures - Success.	Increments when the total number of CSFB Statistics-related UE initiated Voice procedures succeeds.	Per MME Service	Standard
mme	csfb-ue-voice-failures	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Voice procedures - Failures.	Increments when the total number of CSFB Statistics-related UE initiated Voice procedures fails.	Per MME Service	Standard
mme	csfb-ue-prio-voice-total	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Priority Voice procedures.	Increments when the total number of CSFB Statistics-related UE initiated priority Voice procedures succeeds or fails	Per MME Service	Proprietary
mme	csfb-ue-prio-voice-success	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Priority Voice procedures - Success.	Increments when the total number of CSFB Statistics-related UE initiated Priority Voice procedures succeeds.	Per MME Service	Proprietary
mme	csfb-ue-prio-voice-failures	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated Priority Voice procedures - Failures.	Increments when the total number of CSFB Statistics-related UE initiated Priority Voice procedures fails.	Per MME Service	Proprietary
mme	csfb-ue-sms-total	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated SMS procedures.	Increments when the total number of CSFB Statistics-related UE initiated SMS procedures succeeds or fails.	Per MME Service	Standard
mme	csfb-ue-sms-success	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated SMS procedures - Success.	Increments when the total number of CSFB Statistics-related UE initiated SMS procedures succeeds.	Per MME Service	Standard
mme	csfb-ue-sms-failures	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated SMS procedures - Failures.	Increments when the total number of CSFB Statistics-related UE initiated SMS procedures fails.	Per MME Service	Standard
mme	csfb-ue-detach-total	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated IMSI detaches.	Increments when the total number of CSFB Statistics-related UE initiated IMSI detaches succeeds or fails.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	csfb-ue-detach-success	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated IMSI detaches - Success.	Increments when the total number of CSFB Statistics-related UE initiated IMSI detaches succeeds.	Per MME Service	Standard
mme	csfb-ue-detach-failures	INT32	Incremental	active	The total number of CSFB Statistics-related UE initiated IMSI detaches - Failures.	Increments when the total number of CSFB Statistics-related UE initiated IMSI detaches fails.	Per MME Service	Standard
mme	csfb-nw-voice-total	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Voice procedures.	Increments when the total number of CSFB Statistics-related NW initiated Voice procedures succeeds or fails.	Per MME Service	Standard
mme	csfb-nw-voice-success	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Voice procedures - Success.	Increments when the total number of CSFB Statistics-related NW initiated Voice procedures succeeds.	Per MME Service	Standard
mme	csfb-nw-voice-failures	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Voice procedures - Failures.	Increments when the total number of CSFB Statistics-related NW initiated Voice procedures fails.	Per MME Service	Standard
mme	csfb-nw-prio-voice-total	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Priority Voice procedures.	Increments when the total number of CSFB Statistics-related NW initiated Priority Voice procedures succeeds or fails.	Per MME Service	Proprietary
mme	csfb-nw-prio-voice-success	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Priority Voice procedures - Success.	Increments when the total number of CSFB Statistics-related NW initiated Priority Voice procedures succeeds.	Per MME Service	Proprietary
mme	csfb-nw-prio-voice-failures	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated Priority Voice procedures - Failures.	Increments when the total number of CSFB Statistics-related NW initiated Priority Voice procedures fails.	Per MME Service	Proprietary
mme	csfb-nw-sms-total	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated SMS procedures.	Increments when the total number of CSFB Statistics-related NW initiated SMS procedures succeeds or fails.	Per MME Service	Standard
mme	csfb-nw-sms-success	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated SMS procedures - Success.	Increments when the total number of CSFB Statistics-related NW initiated SMS procedures succeeds.	Per MME Service	Standard
mme	csfb-nw-sms-failures	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated SMS procedures - Failures.	Increments when the total number of CSFB Statistics-related NW initiated SMS procedures fails.	Per MME Service	Standard
mme	csfb-nw-detach-total	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated IMSI detaches.	Increments when the total number of CSFB Statistics-related NW initiated IMSI detaches succeeds or fails.	Per MME Service	Standard
mme	csfb-nw-detach-success	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated IMSI detaches - Success.	Increments when the total number of CSFB Statistics-related NW initiated IMSI detaches succeeds.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	csfb-nw-detach-failures	INT32	Incremental	active	The total number of CSFB Statistics-related NW initiated IMSI detaches - Failures.	Increments when the total number of CSFB Statistics-related NW initiated IMSI detaches fails.	Per MME Service	Standard
mme	emm-msgtx-attach-accept	INT32	Incremental	active	The total number of EMM Attach accept messages sent from the MME to a UE.	Increments when the MME send an attach accept message to a UE.	Per MME Service	Standard
mme	emm-msgtx-attach-accept-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted attaches.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-accept-imsi-unknown	INT32	Incremental	active	The total number of EMM Control messages sent Attach Accept with a cause code of IMSI unknown.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-accept-no-msc	INT32	Incremental	active	The total number of EMM Control messages sent Attach Accept with a cause code of MSC not available.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-accept-nw-fail	INT32	Incremental	active	The total number of EMM Control messages sent Attach Accept with a cause code of Network Failure.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-accept-congestion	INT32	Incremental	active	The total number of EMM Control messages sent Attach Accept with a cause code of Congestion.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-accept-no-cs	INT32	Incremental	active	The total number of EMM Control messages sent Attach Accept with a cause code of CS domain not available.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-imsi-unknown-hss	INT32	Incremental	active	The total number of EMM Attach Reject messages sent, with the cause code 2: IMSI Unknown in HSS.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-illegal-ue	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 3: Illegal UE.	Increments when an Attach Reject message is sent with cause 3: Illegal UE.	Per MME Service	Standard
mme	emm-msgtx-illegal-me	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 6: Illegal ME.	Increments when an Attach Reject message is sent with cause 6: Illegal ME.	Per MME Service	Standard
mme	emm-msgtx-eps-not-allowed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 7: EPS Services Not Allowed.	Increments when an Attach Reject message is sent with cause 7: EPS Services Not Allowed.	Per MME Service	Standard
mme	emm-msgtx-emergency-disabled	INT32	Incremental	active	This counter shows the number of emergency attach rejects when this feature is enabled. This happens when \emergency-services-not-supported\" cli is configured inside a TAI-mgmt-obt	in a TAI-mgmt-db	all the UEs in those TACs mentioned in that particular TAi-mgmt-obj are barred for making an emergency attach. These counters reflect those emergency attach rejects due to barring applied at TAC level."	Increments wh
mme	emm-msgtx-network-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 17: Network Failure.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-esm-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent, with the cause code: 19: ESM Failure.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-attach-rej-unknown-apn	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 27: Unknown or Missing APN.	Increments when Attach Reject message is sent with cause Unknown or Missing APN.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-gw-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 30: Rejected by SGW or PGW.	Increments when Attach Reject message is sent with cause Rejected by SGW or PGW.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-attach-rej-gw-auth-failed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with causecode 29: User Authentication Failed.	Increments when Attach Reject message is sent with cause User Authentication Failed.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-svc-not-supported	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 32: Service Option Not Supported.	Increments when Attach Reject message is sent with cause Service Option Not supported.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-svc-not-subscribed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 33: Service Option Not Subscribed.	Increments when Attach Reject message is sent with cause Service Option Not Subscribed.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-opr-determined-barring	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 8: Operator Determined Barring.	Increments when Attach Reject message is sent with cause Operator Determined Barring.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-insuff-resources	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 26: Insufficient Resources.	Increments when Attach Reject message is sent with cause Insufficient Resources.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-activation-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 31: Request rejected, unspecified.	Increments when Attach Reject message is sent with cause Request rejected, unspecified.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-svc-temp-out-of-order	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 34: Service Option Temporarily Out of Order.	Increments when Attach Reject message is sent with cause Service Option Temporarily Out of Order.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-apn-not-sup-in-plmn-rat	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mme	emm-msgtx-attach-rej-protocol-error	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with any of the following Protocol Error cause codes: 95-101, or 111.	Increments when Attach Reject message is sent with cause codes of 95101, or 111.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-apn-restrict-incompatible	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 112: APN Restriction Value Incompatible with Active EPS Bearer Content.	Increments when Attach Reject message is sent with cause APN Restriction Value Incompatible with Active EPS Bearer Content.	Per MME Service	Standard
mme	emm-msgtx-decode-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 23: Decode Failure.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-eps-non-eps-not-allowed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 8: EPS services and non-EPS services not allowed.	Increments when an Attach Reject message is sent with cause 8: EPS services and non-EPS services not allowed.	Per MME Service	Standard
mme	emm-msgtx-no-eps-svc-plmn	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 14: EPS service not allowed in this plmn.	Increments when an Attach Reject message is sent with cause 14: EPS service not allowed in this plmn.	Per MME Service	Standard
mme	emm-msgtx-imei-not-accept	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 5: IMEI Not Accepted.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-roaming-restrict-ta	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 13: Roaming restricted in TA.	Increments when an Attach Reject message is sent with cause 13: Roaming restricted in TA.	Per MME Service	Standard
mme	emm-msgtx-plmn-not-allow	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 11: PLMN not allowed .	Increments when an Attach Reject message is sent with cause 11: PLMN not allowed.	Per MME Service	Standard
mme	emm-msgtx-no-suitable-cell-ta	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 15: No suitable cells in TA.	Increments when an Attach Reject message is sent with cause 15: No suitable cells in TA.	Per MME Service	Standard
mme	emm-msgtx-ta-not-allow	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 12: Tracking Area not allowed.	Increments when an Attach Reject message is sent with cause 12: Tracking Area not allowed.	Per MME Service	Standard
mme	emm-msgtx-auth-reject	INT32	Incremental	active	The total number of EMM control messages sent - authentication rejects.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-auth-req	INT32	Incremental	active	The total number of EMM control messages sent - authentication requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-auth-req-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted authentication requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-auth-req-retx	INT32	Incremental	active	The total number of EMM control messages sent - detach retransmitted authentication requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-detach-request	INT32	Incremental	active	The total number of EMM control messages sent - detach requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-detach-req-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted detach requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-reattach-req	INT32	Incremental	active	The total number of EMM control messages sent - reattach required.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-rettach-not-req	INT32	Incremental	active	The total number of EMM control messages sent - reattach not required.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-imsi-detach	INT32	Incremental	active	The total number of EMM control messages sent - IMSI detach. This statistic is available in Releases prior to 12.2 as well as 15.0 and later.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-detach-accept	INT32	Incremental	active	The total number of EMM control messages sent - detach accepts.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-downlink-transport	INT32	Incremental	active	The total number of EMM control messages sent - downlink NAS transports.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-emm-info	INT32	Incremental	active	The total number of EMM control messages sent - EMM information.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-emm-status	INT32	Incremental	active	The total number of EMM control messages sent - EMM status.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-guti-reloc	INT32	Incremental	active	The total number of EMM control messages sent - GUTI relocations.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-guti-reloc-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted GUTI relocations.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-identity-req	INT32	Incremental	active	The total number of EMM control messages sent - identity requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-identity-req-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted identity requests.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-sm-cmd	INT32	Incremental	active	The total number of EMM control messages sent - security ode commands.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-sm-cmd-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted security mode commands.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-service-reject	INT32	Incremental	active	The total number of EMM Service Reject messages sent.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-ue-identity-unk	INT32	Incremental	active	The total number of EMM control messages sent - UE identity unknown.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-impl-detached	INT32	Incremental	active	The total number of EMM control messages sent - implicitly detached.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept	INT32	Incremental	active	The total number of EMM TAU accept messages sent (for either an Inter-node or Intra-MME TAU request).	Increments when the MME send a TAU accept message to a UE.	Per MME Service	Standard
mme	emm-msgtx-service-reject-no-brrs	INT32	Incremental	active	The total number of EMM Service Reject messages sent, with a cause code of 40: No EPS bearer context activated.	Increments for each Service Reject message sent with cause code No EPS bearer context activated.	Per MME Service	Standard
mme	emm-msgtx-service-reject-no-csg	INT32	Incremental	active	The total number of EMM Service Reject messages sent, with a cause code of 25: Not authorized for this CSG.	Increments for each Service Reject message sent with cause code Not authorized for this CSG.	Per MME Service	Standard
mme	emm-msgtx-service-reject-ta-no-allwd	INT32	Incremental	active	The total number of EMM Service Reject messages sent, with a cause code of 12: Tracking area not allowed.	Increments for each Service Reject message sent with cause code Tracking area not allowed.	Per MME Service	Standard
mme	emm-msgtx-service-reject-no-roam-in-ta	INT32	Incremental	active	The total number of EMM Service Reject messages sent, with a cause code of 13: Roaming not allowed in this tracking area.	Increments for each Service Reject message sent with cause code Roaming not allowed in this tracking area.	Per MME Service	Standard
mme	emm-msgtx-service-reject-no-cells-in-ta	INT32	Incremental	active	The total number of EMM Service Reject messages sent, with a cause code of 15: No suitable cells in tracking area.	Increments for each Service Reject message sent with cause code No suitable cells in tracking area.	Per MME Service	Standard
mme	emm-msgtx-tau-accept-retx	INT32	Incremental	active	The total number of EMM TAU Accept messages retransmitted (for either an Inter- or Intra-MME TAU request).	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-reject	INT32	Incremental	active	The total number of EMM TAU Reject messages sent.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept-imsi-unknown	INT32	Incremental	active	The total number of TAU Accept messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 2: IMSI unknown in HSS.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept-no-msc	INT32	Incremental	active	The total number of TAU Accept messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 16: MSC temporarily not reachable.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept-nw-fail	INT32	Incremental	active	The total number of TAU Accept messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 17: Network failure.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept-congestion	INT32	Incremental	active	The total number of TAU Accept messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 22: Congestion.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-accept-no-cs	INT32	Incremental	active	The total number of TAU Accept messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 18: CS Domain not available.	Not Defined	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request.	Increments for each TAU Accept message sent from the MME for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept-retx	INT32	Incremental	active	The total number of TAU Accept messages retransmitted for an inter-node TAU request.	Increments for each TAU Accept message retransmitted from the MME for an inter-node TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-accept-imsi-unknown	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments for each TAU Accept message sent from the MME with EMM cause code 2 IMSI unknown in HSS, for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept-no-msc	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request, with a cause code of 16: MSC temporarily not reachable.	Increments for each TAU Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept-nw-fail	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request, with a cause code of 17: Network failure.	Increments for each TAU Accept message sent from the MME with EMM cause code 17: Network failure, for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept-congestion	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request, with a cause code of 22: Congestion.	Increments for each TAU Accept message sent from the MME with EMM cause code 22: Congestion, for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-accept-no-cs	INT32	Incremental	active	The total number of TAU Accept messages sent for an inter-node TAU request, with a cause code of 18: CS Domain not available.	Increments for each TAU Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request.	Increments for each TAU Accept message sent from the MME for an Intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept-retx	INT32	Incremental	active	The total number of TAU Accept messages retransmitted for an Intra-MME TAU request.	Increments for each TAU Accept message retransmitted from the MME for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept-imsi-unknown	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments for each TAU Accept message sent from the MME with EMM cause code 2 IMSI unknown in HSS, for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept-no-msc	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 16: MSC temporarily not reachable.	Increments for each TAU Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept-nw-fail	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 17: Network failure.	Increments for each TAU Accept message sent from the MME with EMM cause code 17: Network failure, for an intra-MME TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-accept-congestion	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 22: Congestion.	Increments for each TAU Accept message sent from the MME with EMM cause code 22: Congestion, for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-accept-no-cs	INT32	Incremental	active	The total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 18: CS Domain not available.	Increments for each TAU Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-imsi-unknown-hss	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS.	Per MME Service	Standard
mme	emm-msgtx-tau-illegal-ue	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE.	Per MME Service	Standard
mme	emm-msgtx-tau-illegal-me	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME.	Per MME Service	Standard
mme	emm-msgtx-tau-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed.	Per MME Service	Standard
mme	emm-msgtx-tau-emergency-disabled	INT32	Incremental	active	This counter shows the number of TAU rejects when this feature is enabled. This happens when \emergency-services-not-supported\" cli is configured inside a TAI-mgmt-obt	in a TAI-mgmt-db	all the UEs from the TACs mentioned in that particular TAi-mgmt-obj are barred for making a Tracking Area Update after UE is emergency attached successfully . These counters reflect those Tracking Area Update rejects due to barring applied at TAC level	after an estab
mme	emm-msgtx-tau-network-fail	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure.	Per MME Service	Standard
mme	emm-msgtx-tau-esm-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	emm-msgtx-tau-decode-failure	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch.	Per MME Service	Standard
mme	emm-msgtx-tau-no-bearer-active	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated.	Per MME Service	Standard
mme	emm-msgtx-tau-ue-identity-unk	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-implicit-detached	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached.	Per MME Service	Standard
mme	emm-msgtx-tau-imei-not-accept	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted.	Per MME Service	Standard
mme	emm-msgtx-tau-roaming-restrict-ta	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area.	Per MME Service	Standard
mme	emm-msgtx-tau-plmn-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed.	Per MME Service	Standard
mme	emm-msgtx-tau-no-suitable-cell-ta	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area.	Per MME Service	Standard
mme	emm-msgtx-tau-ta-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed.	Per MME Service	Standard
mme	emm-msgtx-tau-cs-service-notif	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 100: CS Service notification.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG.	Per MME Service	Standard
mme	emm-msgtx-tau-no-eps-svc-plmn	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG.	Per MME Service	Standard
mme	emm-msgtx-tau-csg-not-subscribed	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG.	Per MME Service	Standard
mme	emm-msgtx-tau-eps-non-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-reject	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request.	Increments when a TAU Reject message is sent for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-imsi-unknown-hss	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-illegal-ue	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE for an inter-node TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-illegal-me	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-emergency-disabled	INT32	Incremental	active	This counter shows the number of inter MME TAU(TAU attach) rejects when this feature is enabled. This happens when \emergency-services-not-supported\" cli is configured inside a TAI-mgmt-obt	in a TAI-mgmt-db	all the UEs from the TACs mentioned in that particular TAi-mgmt-obj are barred for making a inter-MME Tracking Area Update only if AF flag in TAU request message is not set (AF=0) and only emergency PDN is active in peer node. These counters reflect TAU attach rejects due to emergency barring feature."	Increments wh
mme	emm-msgtx-tau-inter-network-fail	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-decode-failure	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-no-bearer-active	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-ue-identity-unk	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-implicit-detached	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-imei-not-accept	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted for an inter-node TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-roaming-restrict-ta	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-plmn-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-no-suitable-cell-ta	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-ta-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-no-eps-svc-plmn	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 14: EPS services not allowed in this PLMN for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-csg-not-subscribed	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-eps-non-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent for an inter-node TAU request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-reject	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request.	Increments when a TAU Reject message is sent for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-imsi-unknown-hss	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-illegal-ue	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-illegal-me	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME for an intra-MME TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 7: EPS services not allowed.	Increments when .	Per MME Service	Standard
mme	emm-msgtx-tau-intra-emergency-disabled	INT32	Incremental	active	This counter shows the number of intra MME TAU rejects when this feature is enabled. This happens when \emergency-services-not-supported\" cli is configured inside a TAI-mgmt-obt	in a TAI-mgmt-db	all the UEs from the TACs mentioned in that particular TAi-mgmt-obj are barred for making a intra-MME Tracking Area Update after UE is emergency attached successfully . These counters reflect those Tracking Area Update rejects due to barring applied at TAC level	after an estab
mme	emm-msgtx-tau-intra-network-fail	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-decode-failure	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-no-bearer-active	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-ue-identity-unk	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-implicit-detached	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-imei-not-accept	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-roaming-restrict-ta	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area for an intra-MME TAU request.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-plmn-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-no-suitable-cell-ta	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-ta-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-no-eps-svc-plmn	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 14: EPS services not allowed in this PLMN for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-csg-not-subscribed	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-eps-non-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-dn-gen-nas-tpt	INT32	Incremental	active	The total number of NAS Protocol - Downlink Generic NAS Transport messages transmitted.	Increments when Downlink Generic NAS Transport message is sent from MME during location procedure.	Per MME Service	Standard
mme	emm-msgtx-attach-reject-congestion	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with cause 22: Congestion.	Increments for each Attach Rejectmessage sent with cause code Congestion.	Per MME Service	Standard
mme	emm-msgtx-attach-reject-severe-network-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with cause 42: Severe Network Failure.	Increments for each Attach Rejectmessage sent with cause code Severe Network Failure.	Per MME Service	Standard
mme	emm-msgtx-service-reject-congestion	INT32	Incremental	active	The total number of EMM Service Reject messages sent with cause 22: Congestion.	Increments for each Service Rejectmessage sent with cause code Congestion.	Per MME Service	Standard
mme	emm-msgtx-tau-congestion	INT32	Incremental	active	The total number of EMM TAU Reject messages sent (for either an Inter-node or Intra-MME TAU Request) with cause 22: Congestion.	Increments when the MME sends a TAUreject message to a UE with cause Congestion.	Per MME Service	Standard
mme	emm-msgtx-tau-severe-network-failure	INT32	Incremental	active	The total number of EMM TAU Reject messages sent (for either an Inter-node or Intra-MME TAU Request) with cause 42: Severe Network Failure.	Increments when the MME sends a TAUreject message to a UE with cause Severe Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-congestion	INT32	Incremental	active	The total number of EMM TAU Inter-MME Reject messages sent with cause 22: Congestion.	Increments when a TAU Reject message is sent with cause Congestion for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-severe-network-failure	INT32	Incremental	active	The total number of EMM TAU Inter-MME Reject messages sent with cause 42: Severe Network Failure.	Increments when a TAU Reject message is sent with cause Severe Network Failure for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-congestion	INT32	Incremental	active	The total number of EMM TAU Intra-MME Reject messages sent with cause 22: Congestion.	Increments when a TAU Reject message is sent with cause Congestion for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-severe-network-failure	INT32	Incremental	active	The total number of EMM TAU Intra-MME Reject messages sent with cause 42: Severe Network Failure.	Increments when a TAU Reject message is sent with cause Severe Network Failure for an intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-guti-realloc-attach-accept	INT32	Incremental	active	This proprietary counter tracks the number of non-retransmitted NAS Attach Accept messages sent by MME containing Reallocated GUTI	This counter increments when the GUTI reallocation frequency/periodicity condition is met and NAS Attach request is received. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	emm-msgtx-guti-realloc-attach-accept-retx	INT32	Incremental	active	This proprietary counter tracks the number of retransmitted NAS Attach Accept messages sent by MME containing Reallocated GUTI	This counter increments when GUTI reallocation frequency/periodicity condition is met and NAS Attach request is received. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	emm-msgtx-guti-realloc-tau-accept	INT32	Incremental	active	This proprietary counter tracks the number of non-retransmitted NAS TAU Accept messages sent by MME containing Reallocated GUTI	This counter increments when the GUTI reallocation frequency/periodicity condition is met and NAS TAU request with update type periodic is received. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	emm-msgtx-guti-realloc-tau-accept-retx	INT32	Incremental	active	This proprietary counter tracks the number of retransmitted NAS TAU Accept messages sent by MME containing Reallocated GUTI	This counter increments when the GUTI reallocation frequency/periodicity condition is met and NAS TAU request with update type periodic is received. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-guti-reallocation	INT32	Incremental	active	This proprietary counter tracks the number of non-retransmitted NAS GUTI Reallocation Command messages sent by the MME	This counter increments when the GUTI reallocation frequency/periodicity condition is met and UE is in Connected mode. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	emm-msgtx-guti-reallocation-retx	INT32	Incremental	active	This proprietary counter tracks the number of retransmitted NAS GUTI Reallocation Command messages sent by MME	This counter increments when the GUTI reallocation frequency/periodicity condition is met and UE is in Connected mode. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	emm-msgrx-plain-nas	INT32	Incremental	active	The total number of EMM control messages received - clear-text messages.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-integrity	INT32	Incremental	active	The total number of EMM control messages received - integrity-check enabled.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-ciphered	INT32	Incremental	active	The total number of EMM control messages received - ciphered messages.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-accepted	INT32	Incremental	active	The total number of EMM control messages received - accepted.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-discarded	INT32	Incremental	active	The total number of EMM control messages received - discarded.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-denied	INT32	Incremental	active	The total number of EMM control messages received - denied.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-decode-failure	INT32	Incremental	active	The total number of EMM control messages received - decode failures.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-attach-complete	INT32	Incremental	active	The total number of EMM control messages received - attach complete.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-attach-req	INT32	Incremental	active	The total number of EMM Attach request messages received by MME.	Increments when the MME receives an attach request message from a UE.	Per MME Service	Standard
mme	emm-msgrx-attach-retx	INT32	Incremental	active	The total number of EMM control messages received - retransmitted attach requests. This statistic is available only in 15.0 and newer releases, as well as in 12.2 and earlier releases.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-auth-failure	INT32	Incremental	active	The total number of EMM control messages received - authentication failures.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-auth-resp	INT32	Incremental	active	The total number of EMM control messages received - authentication responses.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-identity-resp	INT32	Incremental	active	The total number of EMM control messages received - identity responses.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-detach-req	INT32	Incremental	active	The total number of EMM control messages received - detach requests.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-detach-req-switchoff	INT32	Incremental	active	The total number of EMM control messages received - detach requests - switch off.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-detach-req-not-switchoff	INT32	Incremental	active	The total number of EMM control messages received - detach requests - not switch off.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-imsi-detach	INT32	Incremental	active	The total number of EMM control messages received - IMSI detach.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-emm-status	INT32	Incremental	active	The total number of EMM control messages received - EMM status.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgrx-guti-reloc-complete	INT32	Incremental	active	The total number of EMM control messages received - GUTI relocation complete.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-sm-complete	INT32	Incremental	active	The total number of EMM control messages received - security mode complete.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-sm-reject	INT32	Incremental	active	The total number of EMM control messages received - security mode reject.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-service-req	INT32	Incremental	active	The total number of EMM control messages received - service requests.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-tau-req	INT32	Incremental	active	The total number of TAU Request messages received (either an Inter-node or Intra-MME TAU request).	Increments when the MME receives a TAU request message from a UE.	Per MME Service	Standard
mme	emm-msgrx-tau-retx	INT32	Incremental	active	The total number of retransmitted TAU Request messages received (includes both Inter- and Intra-MME TAU requests). This statistic is available only in 15.0 and newer releases, as well as in 12.2 and earlier releases.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-tau-inter-req	INT32	Incremental	active	The total number of inter-node TAU Request messages received.	Increments for each TAU Accept message received for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgrx-tau-inter-retx	INT32	Incremental	active	The total number of retransmitted inter-node TAU Request messages received.	Increments for each TAU Accept message retransmitted for an inter-node TAU request.	Per MME Service	Standard
mme	emm-msgrx-tau-intra-req	INT32	Incremental	active	The total number of Intra-MME TAU Request messages received.	Increments for each TAU Accept message received for an Intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgrx-tau-intra-retx	INT32	Incremental	active	The total number of retransmitted Intra-MME TAU Request messages received.	Increments for each TAU Accept message retransmitted for an Intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgrx-tau-complete	INT32	Incremental	active	The total number of EMM control messages received - TAU complete.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-ext-service-req	INT32	Incremental	active	The total number of EMM control messages received - extended service request.	Not Defined	Per MME Service	Standard
mme	emm-msgrx-up-gen-nas-tpt	INT32	Incremental	active	The total number of NAS Protocol - Uplink Generic NAS Transport messages received.	Increments when Uplink Generic NAS Transport message is received at MME during location procedure.	Per MME Service	Standard
mme	pdn-disconnect-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated PDN disconnections - attempted.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated PDN disconnections - successes.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-ue-failures	INT32	Incremental	active	The total number of ESM UE-initiated PDN disconnections - failures.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-mme-attempted	INT32	Incremental	active	The total number of ESM MME-initiated PDN disconnections - attempted.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-mme-success	INT32	Incremental	active	The total number of ESM MME-initiated PDN disconnections - successes.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-mme-failures	INT32	Incremental	active	The total number of ESM MME-initiated PDN disconnections - failures.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-pgw-attempted	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated PDN disconnections - attempted.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	pdn-disconnect-pgw-success	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated PDN disconnections - successes.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-pgw-failures	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated PDN disconnections - failures.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-hss-attempted	INT32	Incremental	active	The total number of ESM HSS-initiated PDN disconnections - attempted.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-hss-success	INT32	Incremental	active	The total number of ESM HSS-initiated PDN disconnections - successes.	Not Defined	Per MME Service	Standard
mme	pdn-disconnect-hss-failures	INT32	Incremental	active	The total number of ESM HSS-initiated PDN disconnections - failures.	Not Defined	Per MME Service	Standard
mme	brr-deactivation-mme-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-mme-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-mme-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-pgw-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-pgw-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-pgw-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-ue-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-ue-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	brr-deactivation-ue-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	dedi-brr-activation-nw-attempted	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - attempted.	Not Defined	Per MME Service	Standard
mme	dedi-brr-activation-nw-success	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - successes.	Not Defined	Per MME Service	Standard
mme	dedi-brr-activation-nw-failures	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - failures.	Not Defined	Per MME Service	Standard
mme	dedi-brr-activation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations - attempted.	Not Defined	Per MME Service	Standard
mme	dedi-brr-activation-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations - successes.	Not Defined	Per MME Service	Standard
mme	dedi-brr-activation-ue-failures	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations - failures.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-mme-attempted	INT32	Incremental	active	The total number of ESM MME-initiated dedicated bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-mme-success	INT32	Incremental	active	The total number of ESM MME-initiated dedicated bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-mme-failures	INT32	Incremental	active	The total number of ESM MME-initiated dedicated bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-pgw-attempted	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated dedicated bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-pgw-success	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated dedicated bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-pgw-failures	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated dedicated bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	ded-brr-deactivation-ue-failures	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	brr-deactivation-nw-attempted	INT32	Incremental	active	The total number of ESM Network-initiated bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	brr-deactivation-nw-success	INT32	Incremental	active	The total number of ESM Network-initiated bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	brr-deactivation-nw-failures	INT32	Incremental	active	The total number of ESM Network-initiated bearer deactivations - failures.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	dflt-brr-deactivation-mme-attempted	INT32	Incremental	active	The total number of ESM MME-initiated default bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-mme-success	INT32	Incremental	active	The total number of ESM MME-initiated default bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-mme-failures	INT32	Incremental	active	The total number of ESM MME-initiated default bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-pgw-attempted	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated default bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-pgw-success	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated default bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-pgw-failures	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated default bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated default bearer deactivations - attempted.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated default bearer deactivations - successes.	Not Defined	Per MME Service	Standard
mme	dflt-brr-deactivation-ue-failures	INT32	Incremental	active	The total number of ESM UE-initiated default bearer deactivations - failures.	Not Defined	Per MME Service	Standard
mme	brr-modification-hss-attempted	INT32	Incremental	active	The total number of ESM HSS-initiated bearer modifications - attempted.	Not Defined	Per MME Service	Standard
mme	brr-modification-hss-success	INT32	Incremental	active	The total number of ESM HSS-initiated bearer modifications - successes.	Not Defined	Per MME Service	Standard
mme	brr-modification-hss-failures	INT32	Incremental	active	The total number of ESM HSS-initiated bearer modifications - failures.	Not Defined	Per MME Service	Standard
mme	brr-modification-pgw-attemted	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated bearer modifications - attempted.	Not Defined	Per MME Service	Standard
mme	brr-modification-pgw-success	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated bearer modifications - successes.	Not Defined	Per MME Service	Standard
mme	brr-modification-pgw-failures	INT32	Incremental	active	The total number of ESM P-GW/S-GW-initiated bearer modifications - failures.	Not Defined	Per MME Service	Standard
mme	brr-modification-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated bearer modifications - attempted.	Not Defined	Per MME Service	Standard
mme	brr-modification-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated bearer modifications - successes.	Not Defined	Per MME Service	Standard
mme	brr-modification-ue-failures	INT32	Incremental	active	The total number of ESM UE-initiated bearer modifications - failures.	Not Defined	Per MME Service	Standard
mme	brr-modification-nw-attempted	INT32	Incremental	active	The total number of ESM Network-initiated bearer modifications - attempted.	Not Defined	Per MME Service	Standard
mme	brr-modification-nw-success	INT32	Incremental	active	The total number of ESM Network-initiated bearer modifications - successes.	Not Defined	Per MME Service	Standard
mme	brr-modification-nw-failures	INT32	Incremental	active	The total number of ESM Network-initiated bearer modifications - failures.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-act-ded-brr	INT32	Incremental	active	The total number of ESM control messages sent - activate dedicated bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-act-ded-brr-retx	INT32	Incremental	active	The total number of ESM control messages sent - retransmitted activate dedicated bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-act-dflt-brr	INT32	Incremental	active	The total number of ESM control messages sent - activate default bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-act-dflt_bee-retx	INT32	Incremental	active	The total number of ESM control messages sent - retransmitted activate default bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-pt1-inuse	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - PTI already in use.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esm-msgtx-brralloc-rej-semantic-errtft	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - semantic error TFT.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-syntactic-errtft	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - syntactic error TFT.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-invalid-brrid	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - invalid bearer ID.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-collision-nwop	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - collision with network op.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-pgw-rej	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esm-msgtx-brralloc-rej-invalid-pti	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - invalid PTI.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-insuff-resource	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - insufficient resources.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-auth-failed	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject - authentication failed.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject (PDN connectivity reject), with a cause code of 32: Service operation not supported.	Increments when a PDN connectivity reject message is sent with cause 32: Service operation not supported.	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject (PDN connectivity reject), with a cause code of 33: Service operation not subscribed.	Increments when a PDN connectivity reject message is sent with cause 33: Service operation not subscribed.	Per MME Service	Standard
mme	esm-msgtx-brralloc-rej-eps-qos-not-accepted	INT32	Incremental	active	This proprietary counter tracks the total number of times Bearer Allocation Reject has occurred with an ESM Cause of 'EPS QoS Not Accepted'.	Increments when the UE-initiated dedicated bearer creation is rejected by the MME because of the dedicated bearer APN Profile configuration as either gbr reject or non-gbr reject.	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-pti-inuse	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - PTI already in use.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-semantic-errtft	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - semantic error TFT.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-syntactic-errtft	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - syntactic error TFT.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-invalid-brrid	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - invalid bearer ID.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-collision-nwop	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - collision with network op.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-pgw-rej	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - rejected by P-GW/S-GW.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-invalid-pti	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - invalid PTI.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-insuff-resource	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - insufficient resources.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-auth-failed	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - authentication failed.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-brrmod-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - service not supported.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esm-msgtx-brrmod-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM control messages sent - bearer modification reject - service not subscribed.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr-retx	INT32	Incremental	active	The total number of ESM control messages sent - retransmitted deactivate bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr-esm-info-req	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer - ESM information request.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr-esm-info-req-retx	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer - retransmitted ESM information request.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr-modbrr	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer - modify bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-deactbrr-moderr-retx	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer - retransmitted modify bearer.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej	INT32	Incremental	active	The total number of ESM control messages sent - PDN connectivity reject.	Increments when a PDN Connectivity Reject message is sent.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-pti-inuse	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 35: PTI Already in Use.	Increments when a PDN Connectivity Reject message is sent with cause PTI Already in Use.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-apn-unk	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 27: Unknown or Missing APN.	Increments when a PDN Connectivity Reject message is sent with cause Unknown or Missing APN.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-pdntype-unk	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 28: Unknown PDN Type.	Increments when a PDN Connectivity Reject message is sent with cause Unknown PDN Type.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-inv-brrid	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code code 43: Invalid EPS Bearer Id.	Increments when a PDN Connectivity Reject message is sent with cause Invalid EPS Bearer Id.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-apn-not-sup-in-plmn-rat	INT32	Incremental	active	This proprietary counter tracks the number of default bearer activations rejected on MME due to APN not supported in a given TAI	This counter increments when default bearer activation is rejected on MME due to APN not supported	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-inv-pti	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 81: Invalid PTI value.	Increments when a PDN Connectivity Reject message is sent with cause Invalid PTI value.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-auth-failed	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 29: User Authentication failed.	Increments when a PDN Connectivity Reject message is sent with cause User Authentication failed.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 32: Service Option Not Supported.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Not Supported.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esm-msgtx-pdncon-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 33: Service Option Not Subscribed.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Not Subscribed.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-pgw-rej	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 30: Rejected By SGW or PGW.	Increments when a PDN Connectivity Reject message is sent with cause Rejected By SGW or PGW.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-opr-determined-barring	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 8: Operator Determined Barring.	Increments when a PDN Connectivity Reject message is sent with cause Operator Determined Barring.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-insuff-resources	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 26: Insufficient Resources.	Increments when a PDN Connectivity Reject message is sent with cause Insufficient Resources.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-activation-reject	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 31: Request rejected, unspecified.	Increments when a PDN Connectivity Reject message is sent with cause Request rejected, unspecified.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-svc-temp-out-of-order	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 34: Service Option Temporarily Out of Order.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Temporarily Out of Order.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-protocol-errors	INT32	Incremental	active	Not Defined	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-apn-restrict-incompatible	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 112: APN Restriction Value Incompatible with Active EPS Bearer Content.	Increments when a PDN Connectivity Reject message is sent with cause APN Restriction Value Incompatible with Active EPS Bearer Content.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-mul-pdn-not-allowed-for-apn	INT32	Incremental	active	Total number of ESM messages sent by the MME indicating that the PDN connection has been rejected because the APN does not allow multiple PDN connections	This type of message is sent when the MME rejects a received PDN Connection Request for an APN which already has an existing PDN of the same PDN-type	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-emergency-disabled	INT32	Incremental	active	This counter shows the number of emergency PDN connectivity rejects when this feature is enabled.This happens when \emergency-services-not-supported\" cli is configured inside a TAI-mgmt-obt	in a TAI-mgmt-db	all the UEs in those TACs mentioned in that particular TAi-mgmt-obj are barred for making an emergency PDN connectivity request. These counters reflect those emergency PDN connectivity rejects due to barring applied at TAC level."	Increments wh

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esm-msgtx-pdncon-rej-pdn-type_ipv4_only	INT32	Incremental	active	Total number of ESM messages sent by the MME indicating that the PDN connection has been rejected because only IPv4 PDN connections are allowed	This type of message is sent when the MME rejects a received PDN Connection Request for an IPv4 PDN connection	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-pdn-type_ipv6_only	INT32	Incremental	active	Total number of ESM messages sent by the MME indicating that the PDN connection has been rejected because only IPv6 PDN connections are allowed	This type of message is sent when the MME rejects a received PDN Connection Request for an IPv6 PDN connection	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-other-reasons	INT32	Incremental	active	Total number of ESM messages sent by the MME indicating that the PDN connection has been rejected for a cause other than one of those listed in the output generated by the 'show mme-service statistics esm-only' command	This type of message is sent when a PDN connection is rejected due to causes other than those mentioned under the already existing PDN Connectivity Reject section of the output generated by the 'show mme-service statistics esm-only' command	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej-pti-inuse	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject - PTI already in use.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej-lastpdn	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject - last PDN disconnection.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej-inv-pti	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject - invalid PTI.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej-inv-brrid	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject - invalid bearer ID.	Not Defined	Per MME Service	Standard
mme	esm-msgtx-pdndiscon-rej-pgw-rej	INT32	Incremental	active	The total number of ESM control messages sent - PDN disconnect reject - rejected by P-GW/S-GW.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-plain-nas	INT32	Incremental	active	The total number of ESM control messages received - clear text messages.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-integrity	INT32	Incremental	active	The total number of ESM control messages received - integrity-check enabled.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-ciphered	INT32	Incremental	active	The total number of ESM control messages received - ciphered messages.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-accepted	INT32	Incremental	active	The total number of ESM control messages received - accepted.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-discarded	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esm-msgrx-denied	INT32	Incremental	active	The total number of ESM control messages received - denied.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-decode-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	esm-msgrx-ded-brr-accept	INT32	Incremental	active	The total number of ESM control messages received - activate dedicated bearer accept.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-ded-brr-reject	INT32	Incremental	active	The total number of ESM control messages received - activate dedicated bearer reject.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-dflt-brr-accept	INT32	Incremental	active	The total number of ESM control messages received - activate default bearer accept.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-dflt-brr-reject	INT32	Incremental	active	The total number of ESM control messages received - activate default bearer reject.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-deactivate-brr-accept	INT32	Incremental	active	The total number of ESM control messages received - deactivate bearer accept.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esm-msgrx-brr-rsrc-alloc-req	INT32	Incremental	active	The total number of ESM control messages received - bearer resource allocation request.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-brr-rsrc-modify-req	INT32	Incremental	active	The total number of ESM control messages received - bearer resource modification request.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-esm-info-resp	INT32	Incremental	active	The total number of ESM control messages received - ESM information response.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-em-status	INT32	Incremental	active	The total number of ESM control messages received - ESM status.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-mod-brr-accept	INT32	Incremental	active	The total number of ESM control messages received - modify bearer context accept.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-mod-brr-reject	INT32	Incremental	active	The total number of ESM control messages received - modify bearer context reject.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-pdn-con-req	INT32	Incremental	active	The total number of ESM control messages received - PDN connectivity request.	Not Defined	Per MME Service	Standard
mme	esm-msgrx-pdn-discon-req	INT32	Incremental	active	The total number of ESM control messages received - PDN disconnect request.	Not Defined	Per MME Service	Standard
mme	out-tau-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using TAU procedure - attempted.	Increments when the MME receives the S10 Context Request.	Per MME Service	Standard
mme	out-tau-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using TAU procedure - successes.	Increments on resource release timer expiry or any new event causing abort of procedure received while waiting for resource release timer.	Per MME Service	Standard
mme	out-tau-ho-4gto4g-s10-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using TAU procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	out-s1-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using S1 handover procedure - attempted.	Increments when the MME receives the Handover Required message resulting in an S10-based outbound relocation.	Per MME Service	Standard
mme	out-s1-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using S1 handover procedure - successes.	Either an S1-UE context release from the source eNodeB or the expiry of the resource release timer cause at the source MME cause this counter to increment.	Per MME Service	Standard
mme	out-s1-ho-4gto4g-s10-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - outbound relocation using S1 handover procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	in-tau-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using TAU procedure - attempted.	Increments when the MME receives a Handover Required message during an inter-MME TAU-based inbound relocation.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	in-tau-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using TAU procedure - successes.	For the above procedure, success is incremented when the MME receives a TAU complete message (when user-plane bearer is not set up) or when the MME sends a TAU accept (when user-plane bearer is set up).	Per MME Service	Standard
mme	in-tau-ho-4gto4g-s10-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using TAU procedure - failures.	Increments for all inbound relocation TAU handovers that were not successful (attempted - success = failures).	Per MME Service	Standard
mme	in-s1-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - attempted.	Increments when the MME receives Forward Relocation Request message during an S10-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme	in-s1-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - successes.	Increments when the MME sends the Modify Bearer Request (or if indirect forwarding is involved, after S11 del-ind-fwd-tun-response is received) during an S10-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme	in-s1-ho-4gto4g-s10-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - failures.	Increments for all S10-based inbound relocation triggered by S1-based handovers that were not successful (attempted - success = failures).	Per MME Service	Standard
mme	in-s1-ho-4gto4g-s10-target-tai-attempted	INT32	Incremental	active	The total number of Target TAI based S1 handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - attempted.	Increments when the MME receives Forward Relocation Request message during an S10-based inbound relocation triggered by Target TAI based S1 handover.	Per MME Service	Standard
mme	in-s1-ho-4gto4g-s10-target-tai-success	INT32	Incremental	active	The total number of Target TAI based S1 handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - successes.	Increments when the MME sends the Modify Bearer Request (or if indirect forwarding is involved, after S11 del-ind-fwd-tun-response is received) during an S10-based inbound relocation triggered by Target TAI based S1 handover.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	in-s1-ho-4gto4g-s10-target-tai-failures	INT32	Incremental	active	The total number of Target TAI based S1 handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - failures.	Increments for all S10-based inbound relocation triggered by Target TAI based S1 handovers that were not successful (attempted - success = failures).	Per MME Service	Standard
mme	out-rau-ho-4gto3g-gngp-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto3g-gngp-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto3g-gngp-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto3g2g-gngp-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN using Gn/Gp interface - outbound relocation using RAU procedure - attempted.	Increments when the MME receives the Context Request on the Gn interface.	Per MME Service	Standard
mme	out-rau-ho-4gto3g2g-gngp-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN using Gn/Gp interface - outbound relocation using RAU procedure - successes.	Increments on Resource release timer expiry or any new event causing abort of procedure received while waiting for timer.	Per MME Service	Standard
mme	out-rau-ho-4gto3g2g-gngp-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN using Gn/Gp interface - outbound relocation using RAU procedure - failures.	Increments for all outbound relocation Inter-RAT based handovers that were not successful (attempted - success = failures).	Per MME Service	Standard
mme	out-s1-ho-4gto3g-gngp-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN using Gn/Gp interface - outbound relocation using S1 handover procedure - attempted.	Increments when the MME receives the Handover Required message triggering a Gn-based outbound relocation S1-based handover. This include SRVCC cases as well.	Per MME Service	Standard
mme	out-s1-ho-4gto3g-gngp-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN using Gn/Gp interface - outbound relocation using S1 handover procedure - successes.	Increments when the MME receives the Handover Required message triggering a Gn-based outbound relocation S1-based handover. This include SRVCC cases as well.	Per MME Service	Standard
mme	out-s1-ho-4gto3g-gngp-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN using Gn/Gp interface - outbound relocation using S1 handover procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	in-tau-ho-3gto4g-gngp-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-3gto4g-gngp-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-3gto4g-gngp-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-2g3gto4g-gngp-attempted	INT32	Incremental	active	The total number of handovers - GERAN/UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using TAU procedure - attempted.	Increments when an inter-node TAU request is received.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	in-tau-ho-2g3gto4g-gngp-success	INT32	Incremental	active	The total number of handovers - GERAN/UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using TAU procedure - successes.	In cases where this procedure results in the call getting migrated (all non-SRVCC cases and SRVCC cases where 'PS and CS' migration happens), either an S1-UE context release from the source eNodeB or the expiry of the resource release timer at the source MME cause this counter to increment. In SRVCC handover to UTRAN (with no PS HO support), S11 delete bearer response is the point at which success is incremented.	Per MME Service	Standard
mme	in-tau-ho-2g3gto4g-gngp-failures	INT32	Incremental	active	The total number of handovers - GERAN/UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using TAU procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	in-s1-ho-3gto4g-gngp-attempted	INT32	Incremental	active	The total number of handovers - UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - attempted.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-3gto4g-gngp-success	INT32	Incremental	active	The total number of handovers - UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - successes.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-3gto4g-gngp-failures	INT32	Incremental	active	The total number of handovers - UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - failures.	Not Defined	Per MME Service	Standard
mme	out-rau-ho-4gto2g-gngp-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto2g-gngp-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto2g-gngp-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-s1-ho-4gto2g-gngp-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN using Gn/Gp interface - outbound relocation using S1 handover procedure - attempted.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto2g-gngp-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN using Gn/Gp interface - outbound relocation using S1 handover procedure - successes.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto2g-gngp-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN using Gn/Gp interface - outbound relocation using S1 handover procedure - failures.	Not Defined	Per MME Service	Standard
mme	in-tau-ho-2gto4g-gngp-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-2gto4g-gngp-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-2gto4g-gngp-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-s1-ho-2gto4g-gngp-attempted	INT32	Incremental	active	The total number of handovers - GERAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - attempted.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-2gto4g-gngp-success	INT32	Incremental	active	The total number of handovers - GERAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - successes.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-2gto4g-gngp-failures	INT32	Incremental	active	The total number of handovers - GERAN to E-UTRAN using Gn/Gp interface - inbound relocation using S1 handover procedure - failures.	Not Defined	Per MME Service	Standard
mme	out-rau-ho-4gto3g-s3-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	out-rau-ho-4gto3g-s3-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto3g-s3-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	out-rau-ho-4gto3g2g-s3-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN (Iu or A/Gb mode) using S3 interface - outbound relocation using RAU procedure - attempts.	Not Defined	Per MME Service	Standard
mme	out-rau-ho-4gto3g2g-s3-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN (Iu or A/Gb mode) using S3 interface - outbound relocation using RAU procedure - successes.	Not Defined	Per MME Service	Standard
mme	out-rau-ho-4gto3g2g-s3-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN/GERAN (Iu or A/Gb mode) using S3 interface - outbound relocation using RAU procedure - failures.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto3g-s3-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using S3 interface - outbound relocation using S1 procedure - attempts.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto3g-s3-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using S3 interface - outbound relocation using S1 procedure - successes.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto3g-s3-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using S3 interface - outbound relocation using S1 procedure - failures.	Not Defined	Per MME Service	Standard
mme	in-tau-ho-3gto4g-s3-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-3gto4g-s3-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-3gto4g-s3-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	in-tau-ho-2g3gto4g-s3-attempted	INT32	Incremental	active	The total number of handovers - UTRAN/GERAN (Iu or A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using TAU procedure - attempts.	Increments when an inter-node TAU request is received.	Per MME Service	Standard
mme	in-tau-ho-2g3gto4g-s3-success	INT32	Incremental	active	The total number of handovers - UTRAN/GERAN (Iu or A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using TAU procedure - successes.	Increments when the MME receives a TAU complete message (when user-plane bearer is not set up) or when the MME sends a TAU accept (when user-plane bearer is set up).	Per MME Service	Standard
mme	in-tau-ho-2g3gto4g-s3-failures	INT32	Incremental	active	The total number of handovers - UTRAN/GERAN (Iu or A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using TAU procedure - failures.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-3gto4g-s3-attempted	INT32	Incremental	active	The total number of handovers - UTRAN (Iu mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - attempts.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-3gto4g-s3-success	INT32	Incremental	active	The total number of handovers - UTRAN (Iu mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - successes.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-3gto4g-s3-failures	INT32	Incremental	active	The total number of handovers - UTRAN (Iu mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - failures.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto2g-s3-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN (A/Gb mode) using S3 interface - outbound relocation using S1 procedure - attempts.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto2g-s3-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN (A/Gb mode) using S3 interface - outbound relocation using S1 procedure - successes.	Not Defined	Per MME Service	Standard
mme	out-s1-ho-4gto2g-s3-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to GERAN (A/Gb mode) using S3 interface - outbound relocation using S1 procedure - failures.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	in-s1-ho-2gto4g-s3-attempted	INT32	Incremental	active	The total number of handovers - GERAN (A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - attempts.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-2gto4g-s3-success	INT32	Incremental	active	The total number of handovers - GERAN (A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - successes.	Not Defined	Per MME Service	Standard
mme	in-s1-ho-2gto4g-s3-failures	INT32	Incremental	active	The total number of handovers - GERAN (A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using S1 procedure - failures.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-nodtm-sv-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only with no DTM support - attempts.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-nodtm-sv-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only with no DTM support - successes.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-nodtm-sv-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only with no DTM support - failures.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-sv-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only - attempts.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-sv-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only - successes.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-cs-sv-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched only - failures.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-csps-sv-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched and packet-switched - attempts.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-csps-sv-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched and packet-switched - successes.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto3g-csps-sv-success-cs-only	INT32	Incremental	active	The total number of successful circuit-switched (only) 4G to 3G/2G CSPS SRVCC handovers - E-UTRAN to UTRAN (Iu mode) - using the Sv interface.	Increments if, during CSPS SRVCC handover, PS handover does not succeed due to either Forward Relocation Failure Response or Forward Relocation Response Timeout but CSPS SRVCC handover continues with CS handover only.	Per MME Service	Standard
mme	s1-ho-4gto3g-csps-sv-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to UTRAN (Iu mode) using Sv interface - circuit-switched and packet-switched - failures.	Not Defined	Per MME Service	Standard
mme	s1-ho-4gto1xrtt-cs-srvcc-attempted	INT32	Incremental	active	Total number of attempted SRVCC handovers from e-UTRAN to 1xRTT	When the CDMA2000 1xRTT SRVCC info IE is received in the Uplink CDMA2000 Tunneling message from eNB, the MME detects an SRVCC call and increments the counter	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1-ho-4gto1xrtt-cs-srvcc-success	INT32	Incremental	active	Total number of attempted SRVCC handovers from e-UTRAN to 1xRTT	When the MSC responds to an HO Request with 'HO success' in the A21 Air Interface Signaling message, then the MME increments the success counter	Per MME Service	Standard
mme	s1-ho-4gto1xrtt-cs-srvcc-failures	INT32	Incremental	active	Total number of attempted SRVCC handover from E-UTRAN to 1xRTT that failed to complete the handover	When the MSC responds to an HO Request with an 'HO failure' in the A21 Air Interface Signaling message, then the MME increments the failure counter	Per MME Service	Standard
mme	out-non-3GPP-ho-attempted	INT32	Incremental	active	The total number of outbound non-3GPP handovers attempted.	Increments when an outbound non-3GPP unoptimized relocation is attempted.	Per MME Service	Standard
mme	out-non-3GPP-ho-success	INT32	Incremental	active	The total number of outbound non-3GPP handovers successful.	Increments when an outbound non-3GPP unoptimized relocation is successful.	Per MME Service	Standard
mme	out-non-3GPP-ho-failures	INT32	Incremental	active	The total number of outbound non-3GPP handovers failed.	Increments when an outbound non-3GPP unoptimized relocation fails.	Per MME Service	Standard
mme	in-non-3GPP-ho-attempted	INT32	Incremental	active	The total number of inbound non-3GPP handovers attempted.	Increments when an inbound non-3GPP unoptimized relocation is attempted.	Per MME Service	Standard
mme	in-non-3GPP-ho-success	INT32	Incremental	active	The total number of inbound non-3GPP handovers successful.	Increments when an inbound non-3GPP unoptimized relocation is successful.	Per MME Service	Standard
mme	in-non-3GPP-ho-failures	INT32	Incremental	active	The total number of inbound non-3GPP handovers failed.	Increments when an inbound non-3GPP unoptimized relocation fails.	Per MME Service	Standard
mme	tot-pdn-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	tot-pdn-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	connected-pdn-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	connected-pdn-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	idle-pdn-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	idle-pdn-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	tot-brr-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	tot-brr-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	connected-brr-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	connected-brr-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	idle-brr-current	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	idle-brr-max	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme	pdn-all	INT32	Gauge	active	The current total number of PDN connections in any state.	Not Defined	Per MME Service	Standard
mme	pdn-connected	INT32	Gauge	active	The current total number of connected PDNs	Not Defined	Per MME Service	Standard
mme	pdn-idle	INT32	Gauge	active	The current total number of idle PDNs	Not Defined	Per MME Service	Standard
mme	pdn-emergency-all	INT32	Gauge	active	The current total number of emergency PDNs in any state.	Not Defined	Per MME Service	Standard
mme	pdn-emergency-connected	INT32	Gauge	active	The current total number of connected emergency PDNs	Not Defined	Per MME Service	Standard
mme	pdn-emergency-idle	INT32	Gauge	active	The current total number of idle emergency PDNs	Not Defined	Per MME Service	Standard
mme	pdn-dcnr-user-all	INT32	Gauge	active	The current total number of DCNR user PDN connections in any state.	Not Defined	Per MME Service	Standard
mme	pdn-dcnr-user-connected	INT32	Gauge	active	The current total number of DCNR user connected PDNs	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	pdn-dcnr-user-idle	INT32	Gauge	active	The current total number of DCNR user idle PDNs	Not Defined	Per MME Service	Standard
mme	brr-all	INT32	Gauge	active	The current total number of bearers in connected or idle state.	Not Defined	Per MME Service	Standard
mme	brr-connected	INT32	Gauge	active	The current total number of bearers in connected state.	Not Defined	Per MME Service	Standard
mme	brr-idle	INT32	Gauge	active	The current total number of bearers in idle state.	Not Defined	Per MME Service	Standard
mme	total-brrs-using-op-specific-qci	INT32	Gauge	active	The current total number of bearers in connected or idle state, that are using operator-specific qci values.	1) When a new bearer whose qci value is Operator-Specific, enters Connected State.\n2) When a new bearer whose qci value is Operator-Specific enters Idle State.	Per MME Service	Standard
mme	connected-brrs-using-op-specific-qci	INT32	Gauge	active	The current number of bearers in connected state, that are using operator-specific qci values.	1) When a new bearer whose qci value is Operator-Specific, enters Connected State.	Per MME Service	Standard
mme	idle-brrs-using-op-specific-qci	INT32	Gauge	active	The current number of bearers in idle state, that are using operator-specific qci values.	The current number of bearers in Idle state using Operator-Specific qci values.	Per MME Service	Standard
mme	cumulative-count-brrs-with-op-specific-qci	INT32	Incremental	active	The total number of bearers that have used Operator-Specific qci values ever since the Chassis was up.	1) Every new bearer whose qci-value is Operator-Specific.	Per MME Service	Standard
mme	specific-qci	INT32	Incremental	active	Specific qci values ever since the Chassis was up.	Specific.	Per MME Service	Standard
mme	isr-activated	INT32	Gauge	active	The current total number of Idle mode Signaling Reduction (ISR) activated UEs.	Not Defined	Per MME Service	Standard
mme	sess-call-all	INT32	Gauge	active	The current total number of calls in connected or idle state.	Increments for any UE in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	sess-call-connected	INT32	Gauge	active	The current total number of calls in connected state.	Increments for any UE in ECM-CONNECTED state.	Per MME Service	Standard
mme	sess-call-idle	INT32	Gauge	active	The current total number of calls in idle state.	Increments for any UE in ECM-IDLE state.	Per MME Service	Standard
mme	sess-emergency-call-all	INT32	Gauge	active	The current total number of emergency attached calls in connected or idle state.	Increments for any emergency attached UE in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	sess-emergency-call-connected	INT32	Gauge	active	The current total number of emergency attached calls in connected state.	Increments for any emergency attached UE in ECM-CONNECTED state.	Per MME Service	Standard
mme	sess-emergency-call-idle	INT32	Gauge	active	The current total number of emergency attached calls in idle state.	Increments for any emergency attached UE in ECM-IDLE state.	Per MME Service	Standard
mme	sess-unauth-call-all	INT32	Gauge	active	The current total number of unauthenticated calls in connected or idle state.	Increments for any unauthenticated UE in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	sess-unauth-call-connected	INT32	Gauge	active	The current total number of unauthenticated calls in connected state.	Increments for any unauthenticated UE in ECM-CONNECTED state.	Per MME Service	Standard
mme	sess-unauth-call-idle	INT32	Gauge	active	The current total number of unauthenticated calls in idle state.	Increments for any unauthenticated UE in ECM-IDLE state.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	attached-home-subscriber	INT32	Gauge	active	The current total number of attached home subscribers i.e UEs whose IMSI matches with PLMNID	Increments for any home subscriber UE getting attached.UE might be in ECM-CONNECTED or ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	attached-visiting-national-subscriber	INT32	Gauge	active	The current total number of attached visiting national subscribers i.e UEs whose IMSI matches with the first 3 digits of PLMNID.	Increments for any visiting national subscriber UE getting attached.UE might be in ECM-CONNECTED or ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	attached-visiting-foreign-subscriber	INT32	Gauge	active	The current total number of attached visiting foreign subscribers i.e UEs whose IMSI doesn't match with PLMNID.	Increments for any visiting foreign subscriber UE getting attached.UE might be in ECM-CONNECTED or ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	attached-psm-subscriber	INT32	Gauge	active	The current total number of attached subscribers in PSM mode.	Increments for any subscriber UE for which PSM is enabled in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	ddn-rejects-psm	INT32	Incremental	active	The total number of DDN rejects due to PSM ever since the chassis was up.	Increments for any DDN reject that happened due to subscriber in PSM mode.	Per MME Service	Standard
mme	attached-edrx-subscriber	INT32	Gauge	active	The current total number of attached subscribers in EDRX mode.	Increments for any subscriber UE for which EDRX is enabled in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	ddn-rejects-edrx	INT32	Incremental	active	The total number of DDN rejects due to EDRX ever since the chassis was up,	Increments for any DDN reject that happened due to subscriber in EDRX mode.	Per MME Service	Standard
mme	connected-home-subscriber	INT32	Gauge	active	The current total number of home subscribers(i.e UEs whose IMSI matches with PLMNID) in connected state.	Increments for any home subscriber UE moving to ECM-CONNECTED state.The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	connected-visiting-national-subscriber	INT32	Gauge	active	The current total number of visiting national subscribers(i.e UEs whose IMSI matches with the first 3 digits of PLMNID) in connected state.	Increments for any visiting national subscriber UE moving to ECM-CONNECTED state.The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	connected-visiting-foreign-subscriber	INT32	Gauge	active	The current total number of visiting foreign subscribers(i.e UEs whose IMSI doesn't match with PLMNID) in connected state.	Increments for any visiting foreign subscriber UE moving to ECM-CONNECTED state.The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	idle-home-subscriber	INT32	Gauge	active	The current total number of home subscribers(i.e UEs whose IMSI matches with PLMNID) in idle state.	Increments for any home subscriber UE moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	idle-visiting-national-subscriber	INT32	Gauge	active	The current total number of visiting national subscribers(i.e UEs whose IMSI matches with the first 3 digits of PLMNID) in idle state.	Increments for any visiting national subscriber UE moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	idle-visiting-foreign-subscriber	INT32	Gauge	active	The current total number of visiting foreign subscribers(i.e UEs whose IMSI doesn't match with PLMNID) in idle state.	Increments for any visiting foreign subscriber UE moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	isr-deactivation-s3-pathfail	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to failure in the S3 interface.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-sgsn-localdetach	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to SGSN detach notification.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-sgw-reloc	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to SGW relocation of the session to an MME/SGSN which does not support ISR.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-cn-nodereloc	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to CN Node relocation of the session to an MME/SGSN which does not support ISR.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-impdetach	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to an idle timeout (implicit detach) initiated by either the MME or Peer SGSN.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-otherdetach	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to an idle timeout (implicit detach) initiated by either the MME or Peer SGSN.	Not Defined	Per MME Service	Standard
mme	isr-deactivation-otherreason	INT32	Incremental	active	The total number of Idle mode Signaling Reduction (ISR) deactivations due to a reason not otherwise classified by one of the other ISR Deactivation Statistics categories.	Not Defined	Per MME Service	Standard
mme	emergency-pdn-connect-attempted	INT32	Incremental	active	The total number of ESM UE-initiated emergency sessions - attempted.	Not Defined	Per MME Service	Standard
mme	emergency-pdn-connect-success	INT32	Incremental	active	The total number of ESM UE-initiated emergency sessions - successes.	Not Defined	Per MME Service	Standard
mme	emergency-pdn-connect-failures	INT32	Incremental	active	The total number of ESM UE-initiated emergency sessions - failures.	Not Defined	Per MME Service	Standard
mme	tau-ta-la-attempted	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area did not need S-GW relocation.	Increments at the beginning of a tracking area update procedure when the received tracking area update request has the above type, and the selected S-GW is the current S-GW serving the UE, or when the S-GW selection fails.	Per MME Service	Standard
mme	tau-ta-la-success	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating that were executed successfully by the MME.	Increments when the total number of TAU procedures with update type combined TA/LA updating is executed successfully by the MME.	Per MME Service	Standard
mme	tau-ta-la-success-eps	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating that failed during updating the VLR.	Increments when the total number of TAU procedures with update type combined TA/LA updating is failed during updating the VLR.	Per MME Service	Standard
mme	tau-ta-la-failures	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating that failed. Usually, this would be the case where no S-GW could be found for the tracking area.	Increments when the total number of TAU procedures with update type combined TA/LA updating is failed. Usually, this is the case where no S-GW can be found for the tracking area.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	tau-ta-la-sgw-change-attempted	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW.	Per MME Service	Standard
mme	tau-ta-la-sgw-change-success	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating successfully attempted by the UE and the signaled Tracking area required change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating successfully attempted by the UE and the signaled Tracking area required change of the S-GW.	Per MME Service	Standard
mme	tau-ta-la-sgw-change-success-eps	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW, and failed during updating the VLR.	Increments when the total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW, and fails during updating the VLR.	Per MME Service	Standard
mme	tau-ta-la-sgw-change-failures	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW, and failed during EPC procedures. Usually, during S-GW relocation procedure.	Increments when the total number of TAU procedures with update type combined TA/LA updating attempted by the UE and the signaled Tracking area required change of the S-GW, and fails during EPC procedures. Usually, during S-GW relocation procedure.	Per MME Service	Standard
mme	tau-imsi-attempted	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW.	Per MME Service	Standard
mme	tau-imsi-success	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach successfully attempted by the UE and the signaled Tracking area did not require change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach successfully attempted by the UE and the signaled Tracking area did not require change of the S-GW.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	tau-imsi-success-eps	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW, and failed during updating the VLR.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW, and fails during updating the VLR.	Per MME Service	Standard
mme	tau-imsi-failures	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW, and failed during EPC procedures. Usually, during S-GW relocation procedure.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area did not require change of the S-GW, and fails during EPC procedures. Usually, during S-GW relocation procedure.	Per MME Service	Standard
mme	tau-imsi-sgw-change-attempted	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the S-GW.	Per MME Service	Standard
mme	tau-imsi-sgw-change-success	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach successfully attempted by the UE and the signaled Tracking area required change of the S-GW.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the SGW, and is successful.	Per MME Service	Standard
mme	tau-imsi-sgw-change-success-eps	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the S-GW, and failed during updating the VLR.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the S-GW, and fails during updating the VLR.	Per MME Service	Standard
mme	tau-imsi-sgw-change-failures	INT32	Incremental	active	The total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the SGW, and failed during EPC procedures. Usually, during SGW relocation procedure.	Increments when the total number of TAU procedures with update type combined TA/LA updating with IMSI attach attempted by the UE and the signaled Tracking area required change of the SGW, and failed during EPC procedures. Usually, during SGW relocation procedure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s1ap-transdata-wrwreq	INT32	Incremental	active	The total number of CMAS Write-Replace Warning Request messages sent by the MME to the eNodeB.	Increments for each message sent by the MME to request the start or overwrite of the broadcast of a warning message.	Per MME Service	Standard
mme	s1ap-transdata-killreq	INT32	Incremental	active	The total number of CMAS Kill Request messages sent by the MME to the eNodeB.	Increments for each message forwarded by the MME to eNodeB to cancel an already ongoing broadcast of a warning message.	Per MME Service	Standard
mme	s1ap-transdata-connestind	INT32	Incremental	active	The total number of Connection Establishment Indication messages sent by the MME to the eNodeB.	Increments for each message forwarded by the MME to eNodeB.	Per MME Service	Standard
mme	s1ap-transdata-reroutenasreq	INT32	Incremental	active	The total number of Reroute NAS Request messages sent by the MME to the eNodeB.	Increments for each message forwarded by the MME to eNodeB to redirect the UE to Other MME.	Per MME Service	Standard
mme	s1ap-transdata-eRabModCfm	INT32	Incremental	active	The total number of E-RAB Modification Confirmation messages sent by the MME to the eNodeB.	Increments for each E-RAB Modification Confirmation message sent by the MME to eNodeB.	Per MME Service	Standard
mme	s1ap-recdata-wrwresp	INT32	Incremental	active	The total number of Write Response messages received by the MME from the eNodeB.	Increments for each message received from the eNodeB to acknowledge to the MME on the start or overwrite request of a warning message.	Per MME Service	Standard
mme	s1ap-recdata-killresp	INT32	Incremental	active	The total number of CMAS Kill Response messages received by the MME from the eNodeB.	Increments for each message received from the eNodeB to indicate the list of warning areas where cancellation of the broadcast of the identified message was successful and unsuccessful.	Per MME Service	Standard
mme	out-mob-4gto5g-n26-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using Mobility procedure - attempted.	Increments when the MME receives the N26 Context Request.	Per MME Service	Standard
mme	out-mob-4gto5g-n26-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using Mobility procedure - successes.	Increments on resource release timer expiry or any new event causing abort of procedure received while waiting for resource release timer.	Per MME Service	Standard
mme	out-mob-4gto5g-n26-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using Mobility procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	out-ho-4gto5g-n26-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using EPS-5GS handover procedure - attempted.	Increments when the MME receives the Handover Required message resulting in an N26-based outbound relocation.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	out-ho-4gto5g-n26-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using EPS-5GS handover procedure - successes.	Either an S1-UE context release from the source eNodeB or the expiry of the resource release timer cause at the source MME cause this counter to increment.	Per MME Service	Standard
mme	out-ho-4gto5g-n26-failures	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using EPS-5GS handover procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	in-mob-5gto4g-n26-attempted	INT32	Incremental	active	TAU - NG-RAN to E-UTRAN using N26 interface - Incoming TAU using Mobility procedure - attempted.	Increments when the MME sends the N26 Context Request.	Per MME Service	Standard
mme	in-mob-5gto4g-n26-success	INT32	Incremental	active	TAU - NG-RAN to E-UTRAN using N26 interface - Incoming TAU using Mobility procedure - successes.	Increments on resource release timer expiry or any new event causing abort of procedure received while waiting for resource release timer.	Per MME Service	Standard
mme	in-mob-5gto4g-n26-failures	INT32	Incremental	active	TAU - NG-RAN to E-UTRAN using N26 interface - Incoming TAU using Mobility procedure - failures.	Increments for all failure cases not resulting in above success triggers (attempted - success = failures).	Per MME Service	Standard
mme	in-ho-5gto4g-n26-attempted	INT32	Incremental	active	The total number of handovers - NGRAN to E-UTRAN using N26 interface - inbound relocation using S1 handover procedure - attempted.	Increments when the MME receives Forward Relocation Request message during an N26-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme	in-ho-5gto4g-n26-success	INT32	Incremental	active	The total number of handovers - NGRAN to E-UTRAN using N26 interface - inbound relocation using S1 handover procedure - successes.	Increments when the MME sends the Modify Bearer Request (or if indirect forwarding is involved, after S11 del-ind-fwd-tun-response is received) during an N26-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme	in-ho-5gto4g-n26-failures	INT32	Incremental	active	The total number of handovers - NGRAN to E-UTRAN using N26 interface - inbound relocation using S1 handover procedure - failures.	Increments for all N26-based inbound relocation triggered by S1-based handovers that were not successful (attempted - success = failures).	Per MME Service	Standard
mme	emm-msgtx-attach-no-rej-send-total	INT32	Incremental	active	The total number of Attach Accept or Reject messages not sent for Attach requests.	Increments when Attach Accept or Reject message is not sent for an Attach request.	Per MME Service	Standard
mme	emm-msgtx-attach-auth-failed	INT32	Incremental	active	The total number of authentication failed and an Attach Accept or Reject message is not sent.	Increments when an authentication for an attach request fails and no attach accept or reject message is sent.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-attach-ue-initiated-detach	INT32	Incremental	active	The total number of attach requests failed due to collision between an attach request and UE initiated detach and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between an attach request and UE initiated detach and no Attach Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-attach-detach-in-progress	INT32	Incremental	active	The total number of attach requests failed due to collision between an attach request and NW initiated detach and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between an attach request and NW initiated detach and no Attach Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-attach-diff-attach-recv	INT32	Incremental	active	The total number of attach request failed due to collision between two different attach requests with different IEs and the first attach request is dropped and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between two different attach requests with different IEs and the first attach request is dropped and no Attach Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-no-rej-send-total	INT32	Incremental	active	The total number of TAU Accept or Reject messages not sent for TAU (Intra-MME + Inter-node) requests.	Increments when a TAU (Intra-MME or Inter-node) request is recieved, but no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-auth-failed	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to authentication failures and no TAU Accept or Reject message is sent.	Increments when an authentication for a TAU (Intra-MME or Inter-node) request fails and no TAU accept or reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-ue-initiated-detach	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and UE initiated detach and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and UE initiated detach and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-detach-in-progress	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and NW initiated detach and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and NW initiated detach and no TAU Accept or Reject message is sent.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-diff-tau-recv	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between two different TAU (Intra-MME or Inter-node) requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between two different TAU (Intra-MME or Inter-node) requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-attach-awaits-mb-resp	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-no-rej-send-total	INT32	Incremental	active	The total number TAU Accept or Reject messages not sent for Intra-MME TAU requests.	Increments when a TAU Accept or Reject message is not sent for an Intra-MME TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-auth-failed	INT32	Incremental	active	The total number Intra-MME TAU requests failed due to authentication failures and no TAU Accept or Reject message is sent.	Increments when an authentication for an Intra-MME TAU request fails and no TAU accept or reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-ue-initiated-detach	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-detach-in-progress	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and NW initiated detach and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and NW initiated detach and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-diff-tau-recv	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between two different Intra-MME TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between two different Intra-MME TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-attach-awaits-mb-resp	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-no-rej-send-total	INT32	Incremental	active	The total number of TAU Accept or Reject messages not sent for Inter-node TAU requests.	Increments when a TAU Accept or Reject message is not sent for an Inter-node TAU request.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-auth-failed	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to authentication failure and a TAU Accept or Reject message is not sent.	Increments when authentication for an Inter-node TAU request fails and no TAU accept or reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-ue-initiated-detach	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to collision between an Inter-node TAU request and UE initiated detach and a TAU Accept or Reject message is not sent.	Increments when an Inter-node TAU request fails due to collision between an Inter-node TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-diff-tau-recv	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to collision between two different Inter-node TAU requests with different IEs and the first TAU request is dropped and a TAU Accept or Reject message is not sent.	Increments when an Inter-node TAU request fails due to collision between two different Inter-node TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per MME Service	Standard
mme	attach-proc-fail-total	INT32	Incremental	active	The total number of attach procedures failed.	Increments when an attach procedure fails.	Per MME Service	Standard
mme	attach-proc-fail-max-retx-auth-req	INT32	Incremental	active	The total number of attach-triggered authentication procedures failed due to maximum retransmissions of authentication request.	Increments when an attach procedure fails due to maximum retransmissions of authentication request.	Per MME Service	Standard
mme	attach-proc-fail-max-retx-sec-mode-cmd	INT32	Incremental	active	The total number attach-triggered authentication procedures failed due to maximum retransmissions of security mode command.	Increments when an attach procedure fails due to maximum retransmissions of security mode command.	Per MME Service	Standard
mme	attach-proc-fail-max-retx-attach-accept	INT32	Incremental	active	The total number of attach procedures failed due to maximum retransmissions of attach accept.	Increments when an attach procedure fails due to maximum retransmissions of attach accept.	Per MME Service	Standard
mme	attach-proc-fail-setup-timeout-exp	INT32	Incremental	active	The total number of attach procedure cleared due to expiry of setup-timeout.	Increments when an attach procedure fails due to expiry of setup-timeout	Per MME Service	Standard
mme	attach-proc-fail-sctp-fail	INT32	Incremental	active	The total number of attach procedures cleared due to SCTP down .	Increments when an attach procedure fails due to SCTP down.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	attach-proc-fail-guard-timeout-exp	INT32	Incremental	active	The total number of attach procedures cleared due to expiry of internal guard timer. This also includes internal guard timeout of auth procedure. If auth procedure is called, and auth procedure aborts due to its guard timer, the counter will be accounted for in attach procedure.	Increments when an attach procedure fails due to expiry of internal guard timer.	Per MME Service	Standard
mme	attach-proc-fail-ue-ctxt-release	INT32	Incremental	active	The total number of attach procedures cleared due to UE Context Release from eNodeB.	Increments when an attach procedure fails due to UE Context Release from eNodeB.	Per MME Service	Standard
mme	attach-proc-fail-max-retx-esm-info-req	INT32	Incremental	active	The total number of attach procedures failed due to maximum retransmissions of ESM info request.	Increments when an attach procedure fails due to maximum retransmissions of ESM info request.	Per MME Service	Standard
mme	attach-proc-fail-apn-not-sup-in-plmn-rat	INT32	Incremental	active	This proprietary counter tracks the number of Attach procedures failed on MME due to APN not supported	This counter increments when Attach is rejected on MME due to APN not supported for default PDN	Per MME Service	Standard
mme	attach-proc-fail-other-reasons	INT32	Incremental	active	The total number of attach procedures failed due to reasons unknown.	Increments when an attach procedure fails due to reasons unknown.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-total	INT32	Incremental	active	The total number of Intra-MME TAU procedures failed.	Increments when an Intra-MME TAU procedure fails.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-max-retx-auth-req	INT32	Incremental	active	The total number of Intra-MME TAU-triggered authentication procedures failed due to maximum retransmissions of authentication request.	Increments when an Intra-MME TAU procedure fails due to maximum retransmissions of authentication request.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-max-retx-sec-mode-cmd	INT32	Incremental	active	The total number of Intra-MME TAU procedures failed due to maximum retransmissions of security mode command.	Increments when an Intra-MME TAU procedure fails due to maximum retransmissions of security mode command.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-max-retx-tau-accept	INT32	Incremental	active	The total number of Intra-MME TAU procedures failed due to maximum retransmissions of attach accept.	Increments when an Intra-MME TAU procedure fails due to maximum retransmissions of attach accept.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-sctp-fail	INT32	Incremental	active	The total number of Intra-MME TAU procedures cleared due to SCTP down.	Increments when an Intra-MME TAU procedure fails due to SCTP down.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-guard-timeout-exp	INT32	Incremental	active	The total number of Intra-MME TAU procedures cleared due to expiry of internal guard timer. This also includes internal guard timeout of auth procedure. If auth procedure is called, and auth procedure aborts due to its guard timer, the counter will be accounted for in Intra-MME TAU procedure.	Increments when an Intra-MME TAU procedure fails due to expiry of internal guard timer.	Per MME Service	Standard
mme	intra-mme-tau-proc-fail-ue-ctxt-release	INT32	Incremental	active	The total number of Intra-MME TAU procedures cleared due to UE Context Release from eNodeB.	Increments when an Intra-MME TAU procedure fails due to UE Context Release from eNodeB.	Per MME Service	Standard
mme	intra-mme-tau-proc-other-reasons	INT32	Incremental	active	The total number of Intra-MME TAU procedures failed due to reasons unknown.	Increments when an Intra-MME TAU procedure fails due to reasons unknown.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-total	INT32	Incremental	active	The total number of Inter-node TAU procedures failed.	Increments when an Inter-node TAU procedure fails.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	inter-node-tau-proc-fail-max-retx-auth-req	INT32	Incremental	active	The total number of Inter-node TAU-triggered authentication procedures failed due to maximum retransmissions of authentication request.	Increments when an Inter-node TAU procedure fails due to maximum retransmissions of authentication request.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-max-retx-sec-mode-cmd	INT32	Incremental	active	The total number of Inter-node TAU procedures failed due to maximum retransmissions of security mode command.	Increments when an Inter-node TAU procedure fails due to maximum retransmissions of security mode command.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-max-retx-tau-accept	INT32	Incremental	active	The total number of Inter-node TAU procedures failed due to maximum retransmissions of attach accept.	Increments when an Inter-node TAU procedure fails due to maximum retransmissions of attach accept.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-setup-timeout-exp	INT32	Incremental	active	The total number of Inter-node TAU procedures failed due to expiry of setup-timeout.	Increments when an Inter-node TAU procedure fails due to expiry of setup-timeout.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-sctp-fail	INT32	Incremental	active	The total number of Inter-node TAU procedures cleared due to SCTP down.	Increments when an Inter-node TAU procedure fails due to SCTP down.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-guard-timeout-exp	INT32	Incremental	active	The total number of Inter-node TAU procedures cleared due to expiry of internal guard timer. This also includes internal guard timeout of auth procedure. If auth procedure is called, and auth procedure aborts due to its guard timer, the counter will be accounted for in Inter-node TAU procedure.	Increments when an Inter-node TAU procedure fails due to expiry of internal guard timer.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-ue-ctxt-release	INT32	Incremental	active	The total number of Inter-node TAU procedures cleared due to UE Context Release from eNodeB.	Increments when an Inter-node TAU procedure fails due to UE Context Release from eNodeB.	Per MME Service	Standard
mme	inter-node-tau-proc-fail-relocation-failure	INT32	Incremental	active	The total number of Inter-node TAU procedures failed due to forward relocation complete notification.	Increments when an Inter-node TAU procedure fails due to TAU Accept waiting for forward relocation complete notification.	Per MME Service	Standard
mme	inter-node-tau-proc-other-reasons	INT32	Incremental	active	The total number of Inter-node TAU procedures failed due to reasons unknown.	Increments when an Inter-node TAU procedure fails due to reasons unknown.	Per MME Service	Standard
mme	inter-node-srns-proc-fail-apn-not-supported	INT32	Incremental	active	This proprietary counter tracks the number of new SRNS rejected on MME due to APN not supported for all bundles	This counter increments when New SRNS is rejected on MME due to APN not supported for all bundles	Per MME Service	Standard
mme	inter-node-tau-proc-fail-apn-not-supported	INT32	Incremental	active	This proprietary counter tracks the number of tracking area update requests rejected due to APN not supported for all bundles	This counter increments when Tracking Area Update is rejected on MME due to APN not supported for all bundles	Per MME Service	Standard
mme	im-exit-proc-fail-total	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed.	Increments when an Idle-mode (IM) exit procedure fails.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	im-exit-proc-fail-max-retx-tau-accept	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed due to maximum retransmissions of attach accept.	Increments when an Idle-mode (IM) exit procedure fails due to maximum retransmissions of attach accept.	Per MME Service	Standard
mme	im-exit-proc-fail-sctp-fail	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed due to SCTP down.	Increments when an Idle-mode (IM) exit procedure fails due to SCTP down.	Per MME Service	Standard
mme	im-exit-proc-fail-guard-timeout-exp	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed due to expiry of internal guard timer. This also includes internal guard timeout of auth procedure. If auth procedure is called, and auth procedure aborts due to its guard timer, this counter will be accounted for IM exit procedure.	Increments when an Idle-mode (IM) exit procedure fails due to expiry of internal guard timer.	Per MME Service	Standard
mme	im-exit-proc-fail-ue-ctxt-release	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed due to UE Context Release from eNodeB.	Increments when an Idle-mode (IM) exit procedure fails due to UE Context Release from eNodeB.	Per MME Service	Standard
mme	im-exit-proc-fail-other-reasons	INT32	Incremental	active	The total number of Idle-mode (IM) exit procedures failed due to reasons unknown.	Increments when an Idle-mode (IM) exit procedure fails due to reasons unknown.	Per MME Service	Standard
mme	sgw-rest-proc-fail-total	INT32	Incremental	active	The total number of SGW restoration procedures failed.	Increments when a SGW Restoration procedure fails.	Per MME Service	Standard
mme	sgw-rest-proc-fail-invalid-ue-sgw-ctxt	INT32	Incremental	active	The total number of SGW restoration procedures failed due to invalid UE SGW context.	Increments when sgw restoration procedure fails due to invalid UE SGW context.	Per MME Service	Standard
mme	sgw-rest-proc-fail-no-eps-bearer-active	INT32	Incremental	active	The total number of SGW restoration procedures failed due to no EPS bearer active.	Increments when sgw restoration procedure fails due to non of the EPS bearer in active state.	Per MME Service	Standard
mme	sgw-rest-proc-fail-sgw-selection-failure	INT32	Incremental	active	The total number of SGW restoration procedures failed due to SGW selection failure.	Increments when sgw restoration procedure fails due to sgw selction failure.	Per MME Service	Standard
mme	sgw-rest-proc-fail-sgw-reloc-proc-failed	INT32	Incremental	active	The total number of SGW restoration procedures failed due to SGW relocation procedure failed.	Increments when sgw restoration procedure fails due to sgw relocation procedure failure.	Per MME Service	Standard
mme	sgw-rest-proc-fail-create-sess-failure	INT32	Incremental	active	The total number of SGW restoration procedures failed due to create session failure.	Increments when sgw restoration procedure fails due to create session failure.	Per MME Service	Standard
mme	sgw-rest-proc-fail-abort	INT32	Incremental	active	The total number of SGW restoration procedures failed due to abort.	Increments when sgw restoration procedure fails due to abort.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-session-recovery	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to session recovery.	Increments when an Attach Reject message is sent due to session recovery with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-smgr-resource-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to SessMgr resources being unavailable.	Increments when an Attach Reject message is sent due to session recovery with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-attach-rej-network-fail-egtp-connection	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to EGTP connection failure.	Increments when an Attach Reject message is sent due to EGTP connection failure with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-auth-proc	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to authentication procedure failure.	Increments when an Attach Reject message is sent, due to authentication failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-hss-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to HSS unavailability.	Increments when an Attach Reject message is sent, due to HSS unavailability, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-pgw-selection	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to P-GW selection.	Increments when an Attach Reject message is sent, due to P-GW selection, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-sgw-selection	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to S-GW selection.	Increments when an Attach Reject message is sent, due to S-GW selection, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-hss-subscription-fail	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to invalid HSS subscription.	Increments when an Attach Reject message is sent, due to S-GW selection, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-s1-connection	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to S1 connection failure..	Increments when an Attach Reject message is sent, due to S1 connection failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-congestion	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to congestion.	Increments when an Attach Reject message is sent, due to congestion, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-gateway-unreachable	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to the gateway being unreachable.	Increments when an Attach Reject message is sent, due to the gateway being unreachable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-newcall-restrict	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to a restrict new calls policy.	Increments when an Attach Reject message is sent, due to a restrict new calls policy, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-network-fail-other-reasons	INT32	Incremental	active	Proprietary counter provides the total number of Attach Reject messages sent for an Attach Request, with a cause code Network Failure, when the rejection was due to other reasons.	Increments when an Attach Reject message is sent, due to other reasons, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-network-fail-session-recovery	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to session recovery.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to other reasons, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-smgr-resource-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to SessMgr resources being unavailable.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to SesssMgr resources being unavailable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-egtp-connection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to SessMgr resources being unavailable.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to EGTP connection failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-auth-proc	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to authentication procedure failure.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to authentication procedure failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-hss-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to unavailability of the HSS.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to HSS unavailability, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-sgw-selection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to S-GW selection.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to S-GW selectionn, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-hss-subscription-fail	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to invalid HSS subscription.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to invalid HSS subscription, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-s1-connection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to S1 connection failure.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to the failure of the S1 connection, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-network-fail-unexpected-tau	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to an unexpected TAU Request.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to an unexpected TAU Request, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-periodic-tau	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to a periodic TAU.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to a periodic TAU, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-max-retx-tau-accept	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to a max retransmission of TAU Accept messages.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, because the maximum limit of the number of retransmissions for TAU Accept messages had been reached, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-guard-timer-expiry	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to the expiry of the guard timer.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to the expiry of the guard timer, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-detach-event	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to a Detach event.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to a Detach event, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-congestion	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to congestion.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to congestion, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-gateway-unreachable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to the gateway being unreachable.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to the gateway being unreachable, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-network-fail-newcall-restrict	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to the new call restriction policy.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to the new call restriction policy, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-no-active-bearer	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to no active bearer.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to no active bearer, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-peer-node-fail	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to unknown peer node.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to unknown peer node, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-network-fail-other-reasons	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for a (Inter-node + Intra-MME) TAU Request, with a cause code Network Failure, when the rejection was due to other reasons.	Increments when an TAU Reject message is sent for an (Inter-node or Intra-MME) TAU Request, due to other reasons, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-session-recovery	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to session recovery.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to session recovery, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-smgr-resource-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to SessMgr resources being unavailable..	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to SessMgr resources being unavailable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-egtp-connection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to EGTP connection failure.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to EGTP connection failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-auth-proc	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to authentication procedure failure.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to authentication procedure failure, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-network-fail-hss-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to the HSS being unavailable.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to the HSS being unavailable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-sgw-selection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to S-GW selection.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to S-GW selection, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-hss-subscription-fail	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to invalid HSS subscription.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to invalid HSS subscription, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-s1-connection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to S1 connection failure.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to S1 connection failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-unexpected-tau	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to an unexpected TAU Request.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to an unexpected TAU Request, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-max-retx-tau-accept	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to reaching the maximum limit of retransmissions of TAU Accept messages..	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to reaching the maximum limit for retransmissions of TAU Accept messages, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-guard-timer-expiry	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due expiry of the guard timer.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to expiry of the guard timer, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-detach-event	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due a detach event.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to detach event, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-inter-network-fail-congestion	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due congestion.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to congestion, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-gateway-unreachable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to the gateway being unreachable.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to the gateway being unreachable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-newcall-restrict	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to the new call restriction policy.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to the new call restriction policy, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-no-active-bearer	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to no available active bearer.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to no active bearer being available, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-peer-node-fail	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due to unknown peer node.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to unknown peer node, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-inter-network-fail-other-reasons	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for an Inter-node TAU Request, with a cause code Network Failure, when the rejection was due other reasons.	Increments when an TAU Reject message is sent for an Inter-node TAU Request, due to other reasons, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-session-recovery	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to session recovery.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to session recovery, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-auth-proc	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to authentication procedure failure.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to authentication procedure failure, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-network-fail-hss-unavailable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to the HSS being unavailable.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to the HSS being unavailable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-sgw-selection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to S-GW selection.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to S-GW selection, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-hss-subscription-fail	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to invalid HSS subscription.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to invalid HSS subscription, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-s1-connection	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to S1 connection failure.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to S1 connection failure, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-unexpected-tau	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to an unexpected TAU Request.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to an unexpected TAU Request, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-periodic-tau	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to periodic TAU Request.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to a periodic TAU Request, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-guard-timer-expiry	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to expiry of the guard timer.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to expiry of the guard timer, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-detach-event	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to a detach event.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to a detach event, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-congestion	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to congestion.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to congestion, with a cause code of Network Failure.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	emm-msgtx-tau-intra-network-fail-gateway-unreachable	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to the gateway being unreachable.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to the gateway being unreachable, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-newcall-restrict	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to the new calls restriction policy.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to the new calls restriction policy, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-no-active-bearer	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to no active bearer being available.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, because there was no active bearer, with a cause code of Network Failure.	Per MME Service	Standard
mme	emm-msgtx-tau-intra-network-fail-other-reasons	INT32	Incremental	active	Proprietary counter provides the total number of TAU Reject messages sent for anIntra-MME TAU Request, with a cause code Network Failure, when the rejection was due to other unspecified reasons.	Increments when an TAU Reject message is sent for an Intra-MME TAU Request, due to other reasons, with a cause code of Network Failure.	Per MME Service	Standard
mme	optimized-out-rau-ho-4gto2g3g-attempted	INT32	Incremental	active	Proprietary counter provides the total number of attempted RAUs from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever RAU is attempted from 4G to 3G/2G.	Per MME Service	Standard
mme	optimized-out-rau-ho-4gto2g3g-success	INT32	Incremental	active	Proprietary counter provides the total number of successful RAUs from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever RAU is successful from 4G to 3G/2G.	Per MME Service	Standard
mme	optimized-out-rau-ho-4gto2g3g-failures	INT32	Incremental	active	Proprietary counter provides the total number of failed RAUs from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever RAU fails from 4G to 3G/2G.	Per MME Service	Standard
mme	optimized-in-tau-ho-2g3gto4g-attempted	INT32	Incremental	active	Proprietary counter provides the total number of attempted TAUs from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever TAU is attempted from 3G/2G to 4G.	Per MME Service	Standard
mme	optimized-in-tau-ho-2g3gto4g-success	INT32	Incremental	active	Proprietary counter provides the total number of successful TAUs from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever TAU is successful from 3G/2G to 4G.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	optimized-in-tau-ho-2g3gto4g-failures	INT32	Incremental	active	Proprietary counter provides the total number of failed TAUs from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever TAU fails from 3G/2G to 4G.	Per MME Service	Standard
mme	optimized-out-s1-ho-4gto2g3g-attempted	INT32	Incremental	active	Proprietary counter provides the total number of attempted handovers from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 4G to 3G/2G is attempted.	Per MME Service	Standard
mme	optimized-out-s1-ho-4gto2g3g-success	INT32	Incremental	active	Proprietary counter provides the total number of successful handovers from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 4G to 3G/2G is successful.	Per MME Service	Standard
mme	optimized-out-s1-ho-4gto2g3g-failures	INT32	Incremental	active	Proprietary counter provides the total number of failed handovers from 4G to 3G/2G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 4G to 3G/2G fails.	Per MME Service	Standard
mme	optimized-in-s1-ho-2g3gto4g-attempted	INT32	Incremental	active	Proprietary counter provides the total number of attempted handovers from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 3G/2G to 4G is attempted.	Per MME Service	Standard
mme	optimized-in-s1-ho-2g3gto4g-success	INT32	Incremental	active	Proprietary counter provides the total number of successful handovers from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 3G/2G to 4G succeeds.	Per MME Service	Standard
mme	optimized-in-s1-ho-2g3gto4g-failures	INT32	Incremental	active	Proprietary counter provides the total number of failed handovers from 3G/2G to 4G when the SGSN-MME Combo Optimization feature has been enabled.	In an SGSN-MME combo with the Combo Optimization enabled, this counter increments whenever a handover from 3G/2G to 4G fails.	Per MME Service	Standard
mme	guti-reallocation-attempted	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures attempted. (NAS GUTI Reallocation Command message was sent by MME)	This counter increments when the GUTI reallocation frequency/periodicity condition is met. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard
mme	guti-reallocation-success	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures successful. (NAS GUTI Reallocation complete message was received by MME)	This counter increments when the GUTI reallocation frequency/periodicity condition is met. This can be specified through configuration of GUTI reallocation policy	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	guti-reallocation-failures	INT32	Incremental	active	Not Defined	Not Defined	Per MME Service	Standard
mme	pcscf-restoration-pdn-deactivations	INT32	Incremental	active	Proprietary counter provides the total number of IMS PDN eactivations attempted due to HSS-based P-CSCF restoration	Increments when the IMS PDN is deactivated if the MME has received an S6A IDR message with a P-CSCF Restoration Request from the HSS and if the MME's P-CSCF restoration method is PDN deactivation	Per MME Service	Standard
mme	pcscf-restoration-pdn-modifications	INT32	Incremental	active	Proprietary counter provides the total number of IMS PDN modifications attempted due to HSS-based P-CSCF restoration	Increments when IMS PDN modification sends a S11 modify bearer request with PCRI in the Indication flags to the SGW provided the MME has received an S6A IDR message with a PCSCF Restoration Request from HSS and if the PCSCF restoration method is PDN modification	Per MME Service	Standard
mme	erab-setup-attempted	INT32	Incremental	active	This proprietary counter tracks the number of no. of bearers for which ERAB Setup Request message was sent.	Increments when ERAB Setup request message is sent with bearer list	Per MME Service	Standard
mme	erab-setup-success	INT32	Incremental	active	This proprietary counter tracks the number of bearers which were successfully established as shown in the ERAB Setup response message.	Increments when ERAB Setup Response is received with successful bearer list.	Per MME Service	Standard
mme	erab-setup-failures	INT32	Incremental	active	This proprietary counter tracks the number of bearers that failed to establish ERAB Setup between MME and ENB.	Increments when ERAB Setup Response is received with failed bearer list.	Per MME Service	Standard
mme	erab-modify-attempted	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification Request message was sent.	Increments when ERAB Modification request message is sent with bearer list	Per MME Service	Standard
mme	erab-modify-success	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification was successful as shown in the ERAB Modification response message.	Increments when ERAB Modification response is received with succesful bearer list.	Per MME Service	Standard
mme	erab-modify-failures	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification failed as shown in ERAB Modification response message.	Increments when ERAB Modification response message is received with failed bearer list.	Per MME Service	Standard
mme	erab-modification-indication-attempted	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification Indication message was sent.	Increments when ERAB Modification Indication message is sent with bearer list	Per MME Service	Standard
mme	erab-modification-indication-success	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification Indication was successful as shown in the ERAB Modification Indication Confirm message.	Increments when ERAB Modification Indication Confirm is received with succesful bearer list.	Per MME Service	Standard
mme	erab-modification-indication-failures	INT32	Incremental	active	This proprietary counter tracks the number of bearers for which ERAB Modification Indication failed as shown in ERAB Modification Indication Confirm message.	Increments when ERAB Modification Indication Confirm message is received with failed bearer list.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	idle-nbiot-subscriber	INT32	Gauge	active	The current total number of nb-iot subscribers in idle state.	Increments for any nb-iot subscriber moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	connected-nbiot-subscriber	INT32	Gauge	active	The current total number of nb-iot subscribers in connected state.	Increments for any nb-iot subscriber in ECM-CONNECTED state. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	nbiot-path-sw-fail	INT32	Incremental	active	The total number of Path Switch Request failure b/c subscriber is attached with NB-IoT RAT.	Increments when PATH SWITCH Request due to X2 HO is received for a nb-iot subscriber and is rejected by MME.	Per MME Service	Standard
mme	nbiot-ho-prep-fail	INT32	Incremental	active	The total number of HO Preparation Failure b/c subscriber is attached with NB-IoT RAT.	Increments when HO preparation message due to S1 HO is received for a nb-iot subscriber and is rejected by MME.	Per MME Service	Standard
mme	nbiot-irat-tau-rej-gn	INT32	Incremental	active	The total number of Inbound NB-IoT RAT TAU reject for Source Gn-SGSN.	Increments when MME receives TAU Request from NB-IoT RAT which results in Context exchange with a GnGp SGSN	Per MME Service	Standard
mme	nbiot-irat-tau-rej-s3	INT32	Incremental	active	The total number of Inbound NB-IoT RAT TAU reject for Source S3-SGSN.	Increments when MME receives TAU Request from NB-IoT RAT which results in Context exchange with a S3 SGSN	Per MME Service	Standard
mme	nbiot-irat-tau-rej-nb-to-wb	INT32	Incremental	active	The total number of Inbound WB-EUTRAN RAT TAU reject for Source NB-IoT RAT.	Increments when MME rejects the S10 TAU request coming from WB-EUTRAN RAT due to context response from peer MME having NB-IoT RAT.	Per MME Service	Standard
mme	nbiot-irat-tau-rej-wb-to-nb	INT32	Incremental	active	The total number of Inbound NB-IoT RAT TAU reject for Source WB-EUTRAN RAT.	Increments when MME rejects the S10 TAU request coming from NB-IoT RAT due to context response from peer MME having WB-EUTRAN RAT.	Per MME Service	Standard
mme	nbiot-tau-rej-nb-to-wb	INT32	Incremental	active	The total number of Intra MME WB-EUTRAN RAT TAU reject for Source NB-IoT RAT.	Increments when MME receives intra MME TAU Request from WB-EUTRAN RAT for an already attached NB-IoT subscriber.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	nbiot-tau-rej-wb-to-nb	INT32	Incremental	active	The total number of Intra MME NB-IoT RAT TAU reject for Source WB-EUTRAN RAT.	Increments when MME receives intra MME TAU Request from NBIOT RAT for an already attached subscriber from WB-EUTRAN RAT.	Per MME Service	Standard
mme	nbiot-irat-denied-gn	INT32	Incremental	active	The total number of Outbound NB-IoT RAT Context failure for Target Gn-SGSN.	Increments when MME rejects the context Request received from peer GnGp SGSN for a nb-iot subscriber.	Per MME Service	Standard
mme	nbiot-irat-denied-s3	INT32	Incremental	active	The total number of Outbound NB-IoT RAT Context failure for Target S3-SGSN.	Increments when MME rejects the context Request received from peer S3 SGSN for a nb-iot subscriber.	Per MME Service	Standard
mme	nbiot-irat-denied-nb-to-wb	INT32	Incremental	active	The total number of Outbound WB-EUTRAN RAT Context failure for Target NB-IoT RAT.	Increments when MME rejects the context request received from peer MME having WB-EUTRAN RAT for a nb-iot subscriber.	Per MME Service	Standard
mme	nbiot-irat-denied-wb-to-nb	INT32	Incremental	active	The total number of Outbound NB-IoT RAT Context failure for Target WB-EUTRAN RAT.	Increments when MME rejects the context request received from peer MME having NB-IoT RAT for a WB EUTRAN RAT subscriber.	Per MME Service	Standard
mme	nbiot-irat-frwd-rloc-rej-wb-to-nb	INT32	Incremental	active	The total number of Inbound NB-IoT RAT Forward Relocation Request reject for Source WB-EUTRAN RAT.	Increments when fwd relocation request from WB-EUTRAN RAT and targeted for a NB-IoT subscriber is received and is rejected by MME.	Per MME Service	Standard
mme	idle-wopdn-subscriber	INT32	Gauge	active	The current total number of without PDN subscribers in idle state.	Increments for any wopdn subscriber moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	connected-wopdn-subscriber	INT32	Gauge	active	The current total number of without PDN subscribers in connected state.	Increments for any wopdn subscriber in ECM-CONNECTED state. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	wopdn-attach-req	INT32	Incremental	active	The total number of Attach Request without PDN.	Increments for Attach Request received with Dummy ESM Container	Per MME Service	Standard
mme	wopdn-attach-acc	INT32	Incremental	active	The total number of Attach Accept without PDN.	Increments for Attach Accept sent with Dummy ESM container	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	wopdn-attach-comp	INT32	Incremental	active	The total number of Attach Complete without PDN.	Increments for Attach Complete sent with Dummy ESM container	Per MME Service	Standard
mme	wopdn-attach-rej-config-err-nbiot	INT32	Incremental	active	The total number of Attach Reject for NB-IoT config error.	Increments for Attach Request with Dummy ESM container received on NB-IoT when wopdn support is not enabled	Per MME Service	Standard
mme	wopdn-attach-rej-config-err-eps	INT32	Incremental	active	The total number of Attach Reject for WB-EUTRAN config error.	Increments for Attach Request with Dummy ESM container received on WB-EUTRAN when wopdn support is not enabled	Per MME Service	Standard
mme	wopdn-intra-tau-req	INT32	Incremental	active	The total number of Intra MME TAU Request when UE is attached without PDN.	Increments when intra MME TAU Request is received for a Attach without PDN subscriber.	Per MME Service	Standard
mme	wopdn-intra-tau-acc	INT32	Incremental	active	The total number of Intra MME TAU Accept when UE is attached without PDN.	Increments when MME sends TAU ACCEPT for the Intra MME TAU REQUEST received for a Attach without PDN subscriber.	Per MME Service	Standard
mme	wopdn-intra-tau-comp	INT32	Incremental	active	The total number of Intra MME TAU Complete when UE is attached without PDN.	Increments when a TAU COMPLETE is received as a response for the TAU ACCEPT sent due to intra MME TAU Request for a Attach without PDN subscriber.	Per MME Service	Standard
mme	wopdn-inter-tau-req	INT32	Incremental	active	The total number of Inter MME TAU Request without PDN.	Increments when S10 TAU Request is received and the context response from peer MME has no PDN information.	Per MME Service	Standard
mme	wopdn-inter-tau-acc	INT32	Incremental	active	The total number of Inter MME TAU Accept without PDN.	Increments when a TAU ACCEPT is sent for the S10 TAU Request received and the context response from peer MME has no PDN information.	Per MME Service	Standard
mme	wopdn-inter-tau-comp	INT32	Incremental	active	The total number of Inter MME TAU Complete without PDN.	Increments when a TAU COMPLETE is received as a response for the TAU ACCEPT sent due to S10 TAU Request and the context response from peer MME has no PDN information.	Per MME Service	Standard
mme	wopdn-inter-tau-rej-config-err-nbiot	INT32	Incremental	active	The total number of Inter MME TAU Reject for NB-IoT config error.	Increments for Inter MME TAU Request without PDN received on NB-IoT when wopdn support is not enabled	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	wopdn-inter-tau-rej-config-err-eps	INT32	Incremental	active	The total number of Inter MME TAU Reject for WB-EUTRAN config error.	Increments for Inter MME TAU Request without PDN received on WB-EUTRAN when wopdn support is not enabled	Per MME Service	Standard
mme	wopdn-pdn-conn-req	INT32	Incremental	active	The total number of Additional PDN Connectivity Request for subcriber attached without PDN.	Increments when MME receives PDN CONNECTIVITY REQUEST for a subscriber who is Attached without any PDN.	Per MME Service	Standard
mme	wopdn-pdn-conn-succ	INT32	Incremental	active	The total number of Successful Additional PDN Connectivity procedure for subcriber attached without PDN.	Increments when the First PDN Connection is successful for a subscriber who is Attached without any PDN.	Per MME Service	Standard
mme	wopdn-last-pdn-del-allowed	INT32	Incremental	active	The total number of PDN Disconnect for last PDN deletion allowed.	Increments when the Last PDN Connection removal is successful for a subscriber who is Attached without any PDN.	Per MME Service	Standard
mme	wopdn-irat-denied-no-wopdn-supp-s10	INT32	Incremental	active	The total number of S10 Outbound Context failure due to Peer's limitation for WO-PDN support.	Increments when MME rejects the Context Request received from peer MME which does not indicate support for AWOPDN CIOT Optimization.	Per MME Service	Standard
mme	esmevent-nonip-pdncon-scef-attempt	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SCEF - attempted.	Increments when UE requested PDN with pdn-type Non-IP and delivery mechanism from subscription (or) config is SCEF type	Per MME Service	Standard
mme	esmevent-nonip-pdncon-scef-success	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SCEF - successes.	Increments when UE requested PDN with pdn-type Non-IP is successful with delivery mechanism type SCEF	Per MME Service	Standard
mme	esmevent-nonip-pdncon-scef-failure	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SCEF - failures.	Increments when UE requested PDN with pdn-type Non-IP results in failure with delivery mechanism type SCEF	Per MME Service	Standard
mme	esmevent-nonip-pdncon-sgi-attempt	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SGI - attempted.	Increments when UE requested PDN with pdn-type Non-IP and delivery mechanism from subscription (or) config is SGI type	Per MME Service	Standard
mme	esmevent-nonip-pdncon-sgi-success	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SGI - successes.	Increments when UE requested PDN with pdn-type Non-IP is successful with delivery mechanism type SGI	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	esmevent-nonip-pdncon-sgi-failure	INT32	Incremental	active	The total number of EPS Session Management events - PDN connections of PDN type Non-IP with SGI - failures.	Increments when UE requested PDN with pdn-type Non-IP results in failure with delivery mechanism type SGI	Per MME Service	Standard
mme	nonip-pdn-all	INT32	Gauge	active	The current total number of Non-IP PDN connections.	Increments/Decrements on succesfull activation/deactivation of Non-IP PDN	Per MME Service	Standard
mme	nonip-pdn-scef	INT32	Gauge	active	The current total number of Non-IP PDN connections with SCEF.	Increments/Decrements on succesfull activation/deactivation of Non-IP PDN with SCEF	Per MME Service	Standard
mme	nonip-pdn-sgi	INT32	Gauge	active	The current total number of Non-IP PDN connections with SGI.	Increments/Decrements on succesfull activation/deactivation of Non-IP PDN with SGI	Per MME Service	Standard
mme	outbound-tau-rau-denied-no-sgnipdn-sup	INT32	Incremental	active	The total number of Outbound Context failure due to Peer's limitation for SGI Non-IP PDN support.	Increments when MME having only SGI non-ip PDN's and outbound TAU/RAU happening towards peer which doesn't support SGI Non-IP PDN TYpe.	Per MME Service	Standard
mme	outbound-tau-rau-denied-no-scnipdn-sup	INT32	Incremental	active	The total number of Outbound Context failure due to Peer's limitation for SCEF Non-IP PDN support.	Increments when MME having only SCEF non-ip PDN's and outbound TAU/RAU happening towards peer which doesn't support SCEF Non-IP PDN TYpe.	Per MME Service	Standard
mme	outbound-tau-rau-pdn-deact-no-sgnipdn-sup-s3	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer S3 SGSN limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound RAU happened to peer S3 SGSN.	Per MME Service	Standard
mme	outbound-tau-rau-pdn-deact-no-sgnipdn-sup-gn	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer GN SGSN limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound RAU happened to peer GN SGSN which won't support Non-IP SGI PDN's.	Per MME Service	Standard
mme	outbound-tau-rau-pdn-deact-no-sgnipdn-sup-mme	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer MME limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound TAU happened to peer MME which is not supporting SGI Non-IP PDN.	Per MME Service	Standard
mme	outbound-tau-rau-pdn-deact-no-scnipdn-sup-s3	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer S3 SGSN limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound RAU happened to peer S3 SGSN which won't support Non-IP SCEF PDN.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	outbound-tau-rau-pdn-deact-no-scnipdn-sup-gn	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer GN SGSN limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound RAU happened to peer GN SGSN, which won't support Non-IP SCEF PDN's.	Per MME Service	Standard
mme	outbound-tau-rau-pdn-deact-no-scnipdn-sup-mme	INT32	Incremental	active	The total number of PDN deactivations during Outbound TAU/RAU due to Peer MME limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound TAU happened to peer MME.	Per MME Service	Standard
mme	outbound-ho-denied-no-sgnipdn-sup	INT32	Incremental	active	The total number of outbound S1HO/SRNS/PSHO failure due to Peer's limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound S1HO/SRNS/PSHO denied due to peer not supporting SGI Non-IP PDN.	Per MME Service	Standard
mme	outbound-ho-denied-no-scnipdn-sup	INT32	Incremental	active	The total number of Outbound S1Ho/SRNS/PSHO failure due to Peer's limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound S1HO/SRNS/PSHO denied due to peer not supporting SCEF Non-IP PDN.	Per MME Service	Standard
mme	outbound-ho-pdn-deact-no-sgnipdn-sup-s3	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer S3 SGSN limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound SRNS/PSHO happened to peer S3 SGSN which wont support SGI Non-IP PDN's.	Per MME Service	Standard
mme	outbound-ho-pdn-deact-no-sgnipdn-sup-gn	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer GN SGSN limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound SRNS/PSHO happened to peer GN SGSN which won't support SGI Non-IP PDN's.	Per MME Service	Standard
mme	outbound-ho-pdn-deact-no-sgnipdn-sup-mme	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer MME limitation for SGI Non-IP PDN support.	Increments when MME having Non-IP SGI PDN's and outbound S1HO happened to peer MME which is not supporting SGI Non-IP PDN's	Per MME Service	Standard
mme	outbound-ho-pdn-deact-no-scnipdn-sup-s3	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer S3 SGSN limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound SRNS/PSHO happened to peer S3 SGSN which wont support SCEF Non-IP PDN's.	Per MME Service	Standard
mme	outbound-ho-pdn-deact-no-scnipdn-sup-gn	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer GN SGSN limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound SRNS/PSHO happened to peer GN SGSN which won't support SCEF Non-IP PDN's.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	outbound-ho-pdn-deact-no-scnipdn-sup-mme	INT32	Incremental	active	The total number of PDN deactivations during Outbound S1HO/SRNS/PSHO due to Peer MME limitation for SCEF Non-IP PDN support.	Increments when MME having Non-IP SCEF PDN's and outbound S1HO happened to peer MME which is not supporting SCEF Non-IP PDN's	Per MME Service	Standard
mme	nas-data-pkts-rx	INT64	Incremental	active	This counter provides the total number of user data packets received over NAS	Increments when ESM Data Transport msg with user data is received over NAS Interface at MME	Per MME Service	Standard
mme	nas-data-pkts-tx	INT64	Incremental	active	This counter provides the total number of user data packets transmitted over NAS	Increments when user ESM Data Transport msg with user data is transmitted over NAS Interface to UE	Per MME Service	Standard
mme	nas-data-bytes-rx	INT64	Incremental	active	This counter provides the total number of user data in bytes received over NAS	Increments when ESM Data Transport msg with user data is received over NAS Interface at MME	Per MME Service	Standard
mme	nas-data-bytes-tx	INT64	Incremental	active	This counter provides the total number of user data in bytes transmitted over NAS	Increments when ESM Data Transport msg with user data is transmitted over NAS Interface to UE	Per MME Service	Standard
mme	nas-data-pkts-rx-drop	INT64	Incremental	active	This counter provides the total number of user data packets received over NAS, but dropped by MME	Increments when ESM Data Transport msg with user data is received over NAS Interface at MME, but dropped by MME	Per MME Service	Standard
mme	nas-data-pkts-tx-drop	INT64	Incremental	active	This counter provides the total number of user data packets transmitted over NAS, but transmission failed	Increments when user ESM Data Transport msg with user data is transmitted over NAS Interface to UE, but transmission failed	Per MME Service	Standard
mme	nas-data-bytes-rx-drop	INT64	Incremental	active	This counter provides the total number of user data in bytes received over NAS, but dropped by MME	Increments when ESM Data Transport msg with user data is received over NAS Interface at MME, but dropped by MME	Per MME Service	Standard
mme	nas-data-bytes-tx-drop	INT64	Incremental	active	This counter provides the total number of user data in bytes transmitted over NAS, but transmission failed	Increments when ESM Data Transport msg with user data is transmitted over NAS Interface to UE, but transmission failed	Per MME Service	Standard
mme	s11u-ip-data-pkts-rx	INT64	Incremental	active	This counter provides the total number of IP packets received over S11U Interface	Increments when GTPU Packet is received over S11U Interface at MME	Per MME Service	Standard
mme	s11u-ip-data-pkts-tx	INT64	Incremental	active	This counter provides the total number of IP packets transmitted over S11U Interface	Increments when GTPU Packet is transmitted over S11U Interface to SGW	Per MME Service	Standard
mme	s11u-ip-data-bytes-rx	INT64	Incremental	active	This counter provides the total number of IP data in bytes received over S11U Interface	Increments when GTPU Packet is received over S11U Interface at MME	Per MME Service	Standard
mme	s11u-ip-data-bytes-tx	INT64	Incremental	active	This counter provides the total number of IP data in bytes transmitted over S11U Interface	Increments when GTPU Packet is transmitted over S11U Interface to SGW	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	s11u-ip-data-pkts-rx-drop	INT64	Incremental	active	This counter provides the total number of IP packets received over S11U Interface, but dropped by MME	Increments when GTPU Packet is received over S11U Interface at MME, but dropped by MME	Per MME Service	Standard
mme	s11u-ip-data-pkts-tx-drop	INT64	Incremental	active	This counter provides the total number of IP packets transmitted over S11U Interface, but transmission failed	Increments when GTPU Packet is transmitted over S11U Interface to SGW, but transmission failed	Per MME Service	Standard
mme	s11u-ip-data-bytes-rx-drop	INT64	Incremental	active	This counter provides the total number of IP data in bytes received over S11U Interface, but dropped by MME	Increments when GTPU Packet is received over S11U Interface at MME, but dropped by MME	Per MME Service	Standard
mme	s11u-ip-data-bytes-tx-drop	INT64	Incremental	active	This counter provides the total number of IP data in bytes transmitted over S11U Interface, but transmission failed	Increments when GTPU Packet is transmitted over S11U Interface to SGW, but transmission failed	Per MME Service	Standard
mme	s11u-nonip-data-pkts-rx	INT64	Incremental	active	This counter provides the total number of NON-IP packets received over S11U Interface	Increments when GTPU Packet is received over S11U Interface at MME	Per MME Service	Standard
mme	s11u-nonip-data-pkts-tx	INT64	Incremental	active	This counter provides the total number of NON-IP packets transmitted over S11U Interface	Increments when GTPU Packet is transmitted over S11U Interface to SGW	Per MME Service	Standard
mme	s11u-nonip-data-bytes-rx	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes received over S11U Interface	Increments when GTPU Packet is received over S11U Interface at MME	Per MME Service	Standard
mme	s11u-nonip-data-bytes-tx	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes transmitted over S11U Interface	Increments when GTPU Packet is transmitted over S11U Interface to SGW	Per MME Service	Standard
mme	s11u-nonip-data-pkts-rx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP packets received over S11U Interface, but dropped by MME	Increments when GTPU Packet is received over S11U Interface at MME, but dropped by MME	Per MME Service	Standard
mme	s11u-nonip-data-pkts-tx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP packets transmitted over S11U Interface, but transmission failed	Increments when GTPU Packet is transmitted over S11U Interface to SGW, but transmission failed	Per MME Service	Standard
mme	s11u-nonip-data-bytes-rx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes received over S11U Interface, but dropped by MME	Increments when GTPU Packet is received over S11U Interface at MME, but dropped by MME	Per MME Service	Standard
mme	s11u-nonip-data-bytes-tx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes transmitted over S11U Interface, but transmission failed	Increments when GTPU Packet is transmitted over S11U Interface to SGW, but transmission failed	Per MME Service	Standard
mme	t6a-data-pkts-rx	INT64	Incremental	active	This counter provides the total number of NON-IP packets received over T6A Interface	Increments when NON-IP Packet is received over T6A Interface at MME	Per MME Service	Standard
mme	t6a-data-pkts-tx	INT64	Incremental	active	This counter provides the total number of NON-IP packets transmitted over T6A Interface	Increments when NON-IP Packet is transmitted over T6A Interface to SCEF	Per MME Service	Standard
mme	t6a-data-bytes-rx	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes received over T6A Interface	Increments when NON-IP Packet is received over T6A Interface at MME	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	t6a-data-bytes-tx	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes transmitted over T6A Interface	Increments when NON-IP Packet is transmitted over T6A Interface to SCEF	Per MME Service	Standard
mme	t6a-data-pkts-rx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP packets received over T6A Interface, but dropped by MME	Increments when NON-IP Packet is received over T6A Interface at MME, but dropped by MME	Per MME Service	Standard
mme	t6a-data-pkts-tx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP packets transmitted over T6A Interface, but transmission failed	Increments when NON-IP Packet is transmitted over T6A Interface to SCEF, but transmission failed	Per MME Service	Standard
mme	t6a-data-bytes-rx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes received over T6A Interface, but dropped by MME	Increments when NON-IP Packet is received over T6A Interface at MME, but dropped by MME	Per MME Service	Standard
mme	t6a-data-bytes-tx-drop	INT64	Incremental	active	This counter provides the total number of NON-IP data in bytes transmitted over T6A Interface, but transmission failed	Increments when NON-IP Packet is transmitted over T6A Interface to SCEF, but transmission failed	Per MME Service	Standard
mme	emm-msgrx-cp-service-req	INT32	Incremental	active	The total number of EMM control messages received - Control Plane service requests.	Increments when CP Service Request message is received at MME	Per MME Service	Standard
mme	emm-msgtx-service-accept	INT32	Incremental	active	The total number of EMM Service Accept messages sent.	Increments when MME sends Service Accept message to UE.	Per MME Service	Standard
mme	emm-msgrx-partially-ciphered	INT32	Incremental	active	The total number of EMM control messages received - partially ciphered messages.	Increments every time a NAS partially ciphered message is received at MME	Per MME Service	Standard
mme	esm-msgtx-esm-data-transport	INT64	Incremental	active	The total number of ESM control messages sent - ESM Data Transport.	Increment when MME sends ESM Data TRansport message to UE. This happens when MME has any user data to be sent to UE	Per MME Service	Standard
mme	esm-msgrx-esm-data-transport	INT64	Incremental	active	The total number of ESM control messages received - ESM Data Transport.	Increment when UE sends ESM Data TRansport message to MME. This happens when UE has any user data to be sent.	Per MME Service	Standard
mme	attached-cp-ciot-subscriber	INT32	Gauge	active	The current total number of attached UEs with CP Optimisation Enabled	Increments for any UE getting attached with CP Optimisation Enabled.UE might be in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	connected-cp-ciot-subscriber	INT32	Gauge	active	The current total number of CP Optimisation Enabled subscribers in connected state.	Increments for any CP Optimisation enbaled UE moving to ECM-CONNECTED state.The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	idle-cp-ciot-subscriber	INT32	Gauge	active	The current total number of CP Optimisation Enabled subscribers in idle state.	Increments for any CP Optimisation enbaled subscriber moving to ECM-IDLE state.A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	ecmevent-ue-cp-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - UE initiated control plane service requests - attempted.	Incremented when UE sends CP Service request to move to connected mode and send user data	Per MME Service	Standard
mme	ecmevent-ue-cp-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - UE initiated control plane service requests - successes.	Incremented when UE sends CP Service request to move to connected mode and successfully moves to connected mode	Per MME Service	Standard
mme	ecmevent-ue-cp-srvcreq-failure	INT32	Incremental	active	The total number of EPS Connection Management events - UE initiated control plane service requests - failures.	Incremented when UE sends CP Service request to move to connected mode and and fails to move to connected mode	Per MME Service	Standard
mme	ecmevent-nw-cp-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - Network initiated control plane service requests - attempted.	Incremented when UE sends CP Service request to move to connected mode as a response to paging triggered by MME.	Per MME Service	Standard
mme	ecmevent-nw-cp-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - Network initiated control plane service requests - successes.	Incremented when UE sends CP Service request to move to connected mode as a response to paging triggered by MME and successfully moves to connected mode	Per MME Service	Standard
mme	ecmevent-nw-cp-srvcreq-failure	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated control plane service requests - failures.	Incremented when UE sends CP Service request to move to connected mode as a response to paging triggered by MME and fails to move to connected mode	Per MME Service	Standard
mme	sgw-restoration-attempted	INT32	Incremental	active	Proprietary counter provides the total number of attempted SGW Restorations at MME	Increments when SGW restoration is attempted at MME due to s11 path failure	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	sgw-restoration-peer-restart	INT32	Incremental	active	Proprietary counter provides the total number of attempted SGW Restoration at MME due to Peer SGW restart	Increments when SGW restoration is attempted at MME due to s11 path failure because of peer SGW restart	Per MME Service	Standard
mme	sgw-restoration-peer-down	INT32	Incremental	active	Proprietary counter provides the total number of attempted SGW Restoration at MME due to Peer SGW Down	Increments when SGW restoration is attempted at MME due to s11 path failure because peer SGW has gone down	Per MME Service	Standard
mme	sgw-restoration-pdn-restored	INT32	Incremental	active	Proprietary counter provides the total number of successful PDNs restored during SGW restoration	Increments when SGW restoration is successfully attempted for PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-emergency-pdn-restored	INT32	Incremental	active	Proprietary counter provides the total number of successful emergency PDNs restored during SGW restoration	Increments when SGW restoration is successfully attempted for emergency PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-ims-pdn-restored	INT32	Incremental	active	Proprietary counter provides the total number of successful IMS PDNs restored during SGW restoration	Increments when SGW restoration is successfully attempted for IMS PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-normal-pdn-restored	INT32	Incremental	active	Proprietary counter provides the total number of successful normal PDNs restored during SGW restoration	Increments when SGW restoration is successfully attempted for Normal PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-pdn-failed	INT32	Incremental	active	Proprietary counter provides the total number of PDNs failed to be restored during SGW restoration	Increments when SGW restoration is failed for PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-emergency-pdn-failed	INT32	Incremental	active	Proprietary counter provides the total number of emergency PDNS failed to be restore during SGW restoration	Increments when SGW restoration is failed for Emergency PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-ims-pdn-failed	INT32	Incremental	active	Proprietary counter provides the total number of IMS PDNS failed to be restored during SGW restoration	Increments when SGW restoration is failed for IMS PDNs at MME	Per MME Service	Standard
mme	sgw-restoration-normal-pdn-failed	INT32	Incremental	active	Proprietary counter provides the total number of normal PDNs failed to be restored during SGW restoration	Increments when SGW restoration is failed for Normal PDNs at MME	Per MME Service	Standard
mme	attached-ce-mode-b-subscriber	INT32	Gauge	active	The current total number of attached Subscribers which are capable of operating in CE-Mode-B	Increments for any Subscriber getting attached and capable of operating in CE-Mode-B. UE might be in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	connected-ce-mode-b-subscriber	INT32	Gauge	active	The current total number of Subscribers which are capable of operating in CE-Mode-B and in connected state.	Increments for any Subscriber capable of operating in CE-Mode-B and moving to ECM-CONNECTED state. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	idle-ce-mode-b-subscriber	INT32	Gauge	active	The current total number of Subscribers which are capable of operating in CE-Mode-B and in idle state.	Increments for any Subscriber capable of operating in CE-Mode-B and moving to ECM-IDLE state. A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	attached-dcnr-subscriber	INT32	Gauge	active	The current total number of attached Subscribers which are capable of operating in DCNR	Increments for any Subscriber getting attached and capable of operating in DCNR. UE might be in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	connected-dcnr-subscriber	INT32	Gauge	active	The current total number of Subscribers which are capable of operating in DCNR and in connected state.	Increments for any Subscriber capable of operating in DCNR and moving to ECM-CONNECTED state. The UE and the MME shall enter the ECM-CONNECTED state when the signalling connection is established between the UE and the MME.	Per MME Service	Standard
mme	idle-dcnr-subscriber	INT32	Gauge	active	The current total number of Subscribers which are capable of operating in DCNR and in idle state.	Increments for any Subscriber capable of operating in DCNR and moving to ECM-IDLE state. A UE is in ECM-IDLE state when no NAS signalling connection between UE and network exists.	Per MME Service	Standard
mme	dcnr-attach-req	INT32	Incremental	active	The total number of Attach Request received with DCNR supported.	Increments for Attach Request received with DCNR supported flag	Per MME Service	Standard
mme	dcnr-attach-acc-allowed	INT32	Incremental	active	The total number of Attach Accept sent with DCNR allowed.	Increments for Attach Accept sent with Dual Connectivity with NR allowed	Per MME Service	Standard
mme	dcnr-attach-acc-denied	INT32	Incremental	active	The total number of Attach Accept sent with DCNR denied.	Increments for Attach Accept sent with Dual Connectiviy with NR denied	Per MME Service	Standard
mme	dcnr-attach-rej	INT32	Incremental	active	The total number of DCNR requested Attaches Rejected.	Increments for Attach Reject when the Attach Request has DCNR support but Attach gets rejected due to some other reason. DCNR restirction will not reject Attach.	Per MME Service	Standard
mme	dcnr-attach-comp	INT32	Incremental	active	The total number of Attach Complete received for DCNR supported attaches.	Increments for Attach Complete received for DCNR supported attach	Per MME Service	Standard
mme	dcnr-intra-tau-req	INT32	Incremental	active	The total number of Intra-TAU Request received with DCNR supported.	Increments for Intra-TAU Request received with DCNR supported flag	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	dcnr-intra-tau-acc-allowed	INT32	Incremental	active	The total number of Intra-TAU Accept sent with DCNR allowed.	Increments for Intra-TAU Accept sent with Dual Connectivity with NR allowed	Per MME Service	Standard
mme	dcnr-intra-tau-acc-denied	INT32	Incremental	active	The total number of Intra-TAU Accept sent with DCNR denied.	Increments for Intra-TAU Accept sent with Dual Connectiviy with NR denied	Per MME Service	Standard
mme	dcnr-intra-tau-comp	INT32	Incremental	active	The total number of Intra-TAU Complete received for DCNR supported requests.	Increments for Intra-TAU Complete received for DCNR supported Request	Per MME Service	Standard
mme	dcnr-inter-tau-req	INT32	Incremental	active	The total number of Inter-TAU Request received with DCNR supported.	Increments for Inter-TAU Request received with DCNR supported flag	Per MME Service	Standard
mme	dcnr-inter-tau-acc-allowed	INT32	Incremental	active	The total number of Inter-TAU Accept sent with DCNR allowed.	Increments for Inter-TAU Accept sent with Dual Connectivity with NR allowed	Per MME Service	Standard
mme	dcnr-inter-tau-acc-denied	INT32	Incremental	active	The total number of Inter-TAU Accept sent with DCNR denied.	Increments for Inter-TAU Accept sent with Dual Connectiviy with NR denied	Per MME Service	Standard
mme	dcnr-inter-tau-rej	INT32	Incremental	active	The total number of DCNR requested Inter-TAU requests Rejected.	Increments for Inter-TAU Reject when the TAU Request has DCNR support flag but TAU gets rejected due to some other reason. DCNR restirction will not reject TAU.	Per MME Service	Standard
mme	dcnr-inter-tau-comp	INT32	Incremental	active	The total number of Inter-TAU Complete received for DCNR supported requests.	Increments for Inter-TAU Complete received for DCNR supported Request	Per MME Service	Standard
mme	dcnr-dns-sgw-selection-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from common pool(DNS records not having +nr network capability)	Increments for every SGW Selection through DNS from common pool.	Per MME Service	Standard
mme	dcnr-dns-sgw-selection-nr	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from dedicated pool(DNS records having +nr network capability)	Increments for every SGW Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	dcnr-dns-sgw-selection-local	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected from local config without +nr network capability	Increments for every SGW Selection from local config without +nr network capability	Per MME Service	Standard
mme	dcnr-dns-pgw-selection-common	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from common pool(DNS records not having +nr network capability)	Increments for every PGW Selection through DNS from common pool.	Per MME Service	Standard
mme	dcnr-dns-pgw-selection-nr	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from dedicated pool(DNS records having +nr network capability)	Increments for every PGW Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	dcnr-dns-pgw-selection-local	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected from local config without +nr network capability	Increments for every PGW Selection from local config without +nr network capability	Per MME Service	Standard
mme	dcnr-s1ap-rx-srur-uectxtrelreq	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in UE context release request message from eNodeb to MME	Increments for every secondary rat data usage report received in UE context release request message.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	dcnr-s1ap-rx-srur-uectxtrelcmpl	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in UE context release complete message from eNodeb to MME	Increments for every secondary rat data usage report received in UE context release complete message.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srur-erabmodind	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in eRAB Modification Indication message from eNodeb to MME	Increments for every secondary rat data usage report received in eRAB Modification Indication message.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srur-erabrelind	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in eRAB Release Indication message from eNodeb to MME	Increments for every secondary rat data usage report received in eRAB Release Indication message.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srur-erabrelres	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in eRAB Release Response message from eNodeb to MME	Increments for every secondary rat data usage report received in eRAB Release Response message.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srdur-periodic	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in Secondary RAT Data Usage Report message from eNodeb to MME without Handover flag	Increments for every secondary rat data usage report received in Secondary RAT Data Usage Report message without Handover flag.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srdur-ho	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in Secondary RAT Data Usage Report message from eNodeb to MME with Handover flag	Increments for every secondary rat data usage report received in Secondary RAT Data Usage Report message with Handover flag.	Per MME Service	Standard
mme	dcnr-s10-rx-srur-fwdrelcmpack	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports received in Forward Reloc Complete Ack message from MME to MME	Increments for every secondary rat data usage report received in Forward Reloc Complete Ack.	Per MME Service	Standard
mme	dcnr-s1ap-rx-srur-periodicdropped	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports dropped when Secondary RAT Data Usage Report message was received from eNodeb to MME without Handover flag during HO	Increments for every dropped report when Secondary RAT Data Usage Report message was received from eNodeb to MME without Handover flag during HO	Per MME Service	Standard
mme	dcnr-s11-tx-srur-csreq	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Create Session Request message by MME	Increments for every secondary rat data usage report sent in Create Session request.	Per MME Service	Standard
mme	dcnr-s11-tx-srur-dsreq	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Delete Session Request message by MME	Increments for every secondary rat data usage report sent in Delete Session Request.	Per MME Service	Standard
mme	dcnr-s11-tx-srur-dbrsp	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Delete Bearer Resonse message by MME	Increments for every secondary rat data usage report sent in Delete Bearer Resonse.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	dcnr-s11-tx-srur-rabreq	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Release Access Bearer Request message by MME	Increments for every secondary rat data usage report sent in Release Access Bearer Request.	Per MME Service	Standard
mme	dcnr-s11-tx-srur-dbcmd	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Delete Bearer Command message by MME	Increments for every secondary rat data usage report sent in Delete Bearer Command.	Per MME Service	Standard
mme	dcnr-s11-tx-srur-mbreq	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Modify Bearer Request message by MME	Increments for every secondary rat data usage report sent in Modify Bearer Request.	Per MME Service	Standard
mme	dcnr-s11-tx-srur-chngnot	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Change Notification message by MME	Increments for every secondary rat data usage report sent in Change Notification.	Per MME Service	Standard
mme	dcnr-s10-tx-srur-fwdrelcmpack	INT32	Incremental	active	Proprietary counter provides the total number of secondary rat data usage reports sent in Forward Reloc Complete Ack message from MME to MME	Increments for every secondary rat data usage report sent in Forward Reloc Complete Ack.	Per MME Service	Standard
mme	monitored-subscribers	INT32	Gauge	active	The current total number of monitored Subscribers	Increments for any Subscriber being monitored .	Per MME Service	Standard
mme	monitored-loss-of-connectivity	INT32	Gauge	active	The current total number of loss of connectivity reports configured	Increments for any Subscriber being monitored for loss of connectivity .	Per MME Service	Standard
mme	monitored-ue-reachability	INT32	Gauge	active	The current total number of ue reachability reports configured	Increments for any Subscriber being monitored for ue reachability .	Per MME Service	Standard
mme	monitored-location-reporting	INT32	Gauge	active	The current total number of location reporting reports configured	Increments for any Subscriber being monitored for location reporting .	Per MME Service	Standard
mme	monitored-communication-failure	INT32	Gauge	active	The current total number of communication failure reports configured	Increments for any Subscriber being monitored for communication failure.	Per MME Service	Standard
mme	monitored-availability-after-ddn-failure	INT32	Gauge	active	The current total number of availability after ddn failure reports configured	Increments for any Subscriber being monitored for availability after ddn failure .	Per MME Service	Standard
mme	monitored-number-of-ue-geoarea	INT32	Gauge	active	The current total number of number of ue geographical area reports configured	Increments for any Subscriber being monitored for number of ue geographical area reports configured .	Per MME Service	Standard
mme	monitored-uereachability-idleind	INT32	Gauge	active	The current total number of ue reachability and idle status indication reports configured	Increments for any Subscriber being monitored for ue reachability and idle status indication .	Per MME Service	Standard
mme	monitored-availability-after-ddn-failure-idleind	INT32	Gauge	active	The current total number of availability after ddn failure and idle status indication reports configured	Increments for any Subscriber being monitored availability after ddn failure and idle status indication.	Per MME Service	Standard
mme	monitored-pdn-connecitivty-status	INT32	Gauge	active	The current total number of pdn connecitivty status reports configured	Increments for any Subscriber being monitored for pdn connecitivty status.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	monte-rx-loss-of-connectivity	INT32	Incremental	active	Proprietary counter provides the total number of loss of connectivity monitoring events configured	Increments for every loss of connectivity monitoring event configured	Per MME Service	Standard
mme	monte-rx-ue-reachability	INT32	Incremental	active	Proprietary counter provides the total number of UE Reachability monitoring events configured	Increments for every UE Reachability monitoring event configured	Per MME Service	Standard
mme	monte-rx-location-reporting	INT32	Incremental	active	Proprietary counter provides the total number of location reporting monitoring events configured	Increments for every location reporting monitoring event configured	Per MME Service	Standard
mme	monte-rx-communication-failure	INT32	Incremental	active	Proprietary counter provides the total number of communication failure monitoring events configured	Increments for every communication failure monitoring event configured	Per MME Service	Standard
mme	monte-rx-availability-after-ddn-failure	INT32	Incremental	active	Proprietary counter provides the total number of availability after ddn failure monitoring events configured	Increments for every availability after ddn failure monitoring event configured	Per MME Service	Standard
mme	monte-rx-number-of-ue-geoarea	INT32	Incremental	active	Proprietary counter provides the total number of number of ues present in a geographical area monitoring events configured	Increments for every number of ues present in a geographical area monitoring event configured	Per MME Service	Standard
mme	monte-rx-uereachability-idleind	INT32	Incremental	active	Proprietary counter provides the total number of ue reachability and idle status indication monitoring events configured	Increments for every ue reachability and idle status indication monitoring event configured	Per MME Service	Standard
mme	monte-rx-availability-ddnfailure-idleind	INT32	Incremental	active	Proprietary counter provides the total number of availability after ddn failure and idle status indication monitoring events configured	Increments for every availability after ddn failure and idle status indication monitoring event configured	Per MME Service	Standard
mme	monte-rx-pdn-connectivity-status	INT32	Incremental	active	Proprietary counter provides the total number of pdn connectivity status monitoring events configured	Increments for every pdn connectivity status monitoring event configured	Per MME Service	Standard
mme	monte-tx-loss-of-connectivity	INT32	Incremental	active	Proprietary counter provides the total number of loss of connectivity monitoring reports sent	Increments for every loss of connectivity monitoring report sent	Per MME Service	Standard
mme	monte-tx-ue-reachability	INT32	Incremental	active	Proprietary counter provides the total number of UE Reachability monitoring reports sent	Increments for every UE Reachability monitoring report sent	Per MME Service	Standard
mme	monte-tx-location-reporting	INT32	Incremental	active	Proprietary counter provides the total number of location reporting monitoring reports sent	Increments for every location reporting monitoring report sent	Per MME Service	Standard
mme	monte-tx-communication-failure	INT32	Incremental	active	Proprietary counter provides the total number of communication failure monitoring reports sent	Increments for every communication failure monitoring report sent	Per MME Service	Standard
mme	monte-tx-availability-after-ddnfailure	INT32	Incremental	active	Proprietary counter provides the total number of availability after ddn failure monitoring reports sent	Increments for every availability after ddn failure monitoring report sent	Per MME Service	Standard
mme	monte-tx-number-of-ue-geoarea	INT32	Incremental	active	Proprietary counter provides the total number of number of ues present in a geographical area monitoring reports sent	Increments for every number of ues present in a geographical area monitoring report sent	Per MME Service	Standard
mme	monte-tx-uereachability-idleind	INT32	Incremental	active	Proprietary counter provides the total number of ue reachability and idle status indication monitoring reports sent	Increments for every ue reachability and idle status indication monitoring report sent	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	monte-tx-availability-ddnfailure-idleind	INT32	Incremental	active	Proprietary counter provides the total number of availability after ddn failure and idle status indication monitoring reports sent	Increments for every availability after ddn failure and idle status indication monitoring report sent	Per MME Service	Standard
mme	monte-tx-pdn-connectivity-status	INT32	Incremental	active	Proprietary counter provides the total number of pdn connectivity status monitoring reports sent	Increments for every pdn connectivity status monitoring report sent	Per MME Service	Standard
mme	monte-del-loss-of-connectivity	INT32	Incremental	active	Proprietary counter provides the total number of deleted loss of connectivity monitoring events	Increments for every deleted loss of connectivity monitoring event	Per MME Service	Standard
mme	monte-del-ue-reachability	INT32	Incremental	active	Proprietary counter provides the total number of deleted UE Reachability monitoring events	Increments for every deleted UE Reachability monitoring event	Per MME Service	Standard
mme	monte-del-location-reporting	INT32	Incremental	active	Proprietary counter provides the total number of deleted location reporting monitoring events	Increments for every deleted location reporting monitoring event	Per MME Service	Standard
mme	monte-del-communication-failure	INT32	Incremental	active	Proprietary counter provides the total number of deleted communication failure monitoring events	Increments for every deleted communication failure monitoring event configured	Per MME Service	Standard
mme	monte-del-availability-after-ddn-failure	INT32	Incremental	active	Proprietary counter provides the total number of deleted availability after ddn failure monitoring events	Increments for every deleted availability after ddn failure monitoring event	Per MME Service	Standard
mme	monte-del-uereachability-idleind	INT32	Incremental	active	Proprietary counter provides the total number of deleted ue reachability and idle status indication monitoring events	Increments for every deleted ue reachability and idle status indication monitoring event	Per MME Service	Standard
mme	monte-del-availability-ddnfailure-idleind	INT32	Incremental	active	Proprietary counter provides the total number of deleted availability after ddn failure and idle status indication monitoring events	Increments for every deleted availability after ddn failure and idle status indication monitoring event	Per MME Service	Standard
mme	monte-del-pdn-connectivity-status	INT32	Incremental	active	Proprietary counter provides the total number of deleted pdn connectivity status monitoring events	Increments for every deleted pdn connectivity status monitoring event	Per MME Service	Standard
mme	msg-addtnl-mic-req	INT32	Incremental	active	Proprietary counter provides the total number of additional ME Identity Check (MIC) Requests sent by the MME to HSS during Attach, TAU and Handover procedures.	Increments when MME send additional ME Identity Check (MIC) Requests towards HSS during Attach, TAU and Handover procedures.Additional MIC requests/answers feature can be enabled by configuring 's13 additional-id-check [attach | handover | tau]' in mme service.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	msg-addtnl-mic-ans	INT32	Incremental	active	Proprietary counter provides the total number of additional ME Identity Check (MIC) Answers received by MME,from the HSS during Attach, TAU and Handover procedures.	Increments when MME receives additional ME Identity Check (MIC) Answers from HSS during Attach, TAU and Handover procedures.Additional MIC Answers will be sent from HSS in response to additional MIC Requests sent from MME. Additional MIC requests/answers feature can be enabled by configuring 's13 additional-id-check [attach | handover | tau]' in mme-service.	Per MME Service	Standard
mme	msg-addtnl-mica-success	INT32	Incremental	active	Proprietary counter provides the total number of additional ME Identity Check (MIC) Answers received by MME, from the HSS during Attach, TAU, and Handover procedures, with result code 'Success'. Refer 3GPP 29.272 for 'Success' result codes.	Increments when MME receives additional ME Identity Check (MIC) Answer with result code success from HSS during Attach, TAU and handover procedures. Additional MIC Answers will be sent from HSS in response to additional MIC Requests sent from MME. Additional MIC requests/answers feature can be enabled by configuring 's13 additional-id-check [attach | handover | tau]' in mme-service.	Per MME Service	Standard
mme	msg-addtnl-mica-failure	INT32	Incremental	active	Proprietary counter provides the total number of additional ME Identity Check (MIC) Answers received by the MME from the HSS, during Attach, TAU, and Handover procedures, with result code 'Failure'. Refer 3GPP 29.272 for 'Failure' result codes.	Increments when MME receives additional ME Identity Check (MIC) Answer with result code failure from HSS during Attach, TAU and handover procedures. Additional MIC Answers will be sent from HSS in response to additional MIC Requests sent from MME. Additional MIC requests/answers feature can be enabled by configuring 's13 additional-id-check [attach | handover | tau]' in mme-service.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	msg-addtnl-mica-timeout	INT32	Incremental	active	Proprietary counter provides the total number of times the response timer expired while the MME waited for additional ME Identity Check (MIC) Answers from the HSS	Increments when response timer expired waiting for additional ME Identity Check (MIC) Answer from HSS for the MIC request sent during Attach TAU and handover procedures. Additional MIC Answers will be sent from HSS in response to additional MIC Requests sent from MME.Additional MIC requests/answers feature can be enabled by configuring 's13 additional-id-check [attach | handover | tau]' in mme-service	Per MME Service	Standard
mme	mme-decor-attached-subscriber	INT32	Gauge	active	Proprietary counter provides the total number of subscribers on this MME which is acting as a DCN	Increments when a UE is attached to this MME which is acting as a DCN.	Per MME Service	Standard
mme	mme-decor-initial-req-accept	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Reuquests accepted by this MME which is acting as a DCN	Increments For every successful Attach/TAU Attach.	Per MME Service	Standard
mme	mme-decor-initial-req-reroute	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of Attach/TAU Attach.	Per MME Service	Standard
mme	mme-decor-initial-req-reject	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of Attach/TAU Attach due to UE Usage Type match.	Per MME Service	Standard
mme	mme-decor-reroute-req-accept	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Rerouted Attach/TAU Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of Attach/TAU Attach.	Per MME Service	Standard
mme	mme-decor-reroute-req-reject	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Rerouted Attach/TAU Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of Attach/TAU Attach.	Per MME Service	Standard
mme	mme-decor-initial-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Reuquests accepted by this MME which is acting as a DCN	Increments For every successful Attach.	Per MME Service	Standard
mme	mme-decor-initial-attach-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of Attach.	Per MME Service	Standard
mme	mme-decor-initial-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of Attach due to UE Usage Type match.	Per MME Service	Standard
mme	mme-decor-reroute-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of Attach.	Per MME Service	Standard
mme	mme-decor-reroute-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of Attach.	Per MME Service	Standard
mme	mme-decor-initial-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests accepted by this MME which is acting as a DCN	Increments For every successful TAU Attach.	Per MME Service	Standard
mme	mme-decor-initial-tau-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of TAU Attach.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	mme-decor-initial-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of TAU Attach due to UE Usage Type match.	Per MME Service	Standard
mme	mme-decor-reroute-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of TAU Attach.	Per MME Service	Standard
mme	mme-decor-reroute-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of TAU Attach.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-hss	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type rcvd from HSS and used by MME	Increments when MME asks HSS for UE Usage Type and HSS provides it.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-ue-ctxt	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is fetched from local DB Record and used by MME	Increments when MME asks fetches UE Usage Type from local DB record and uses it.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-peer-mme	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer MME and used by MME	Increments when MME receives UE Usage Type from peer MME and uses it.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-peer-sgsn	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer SGSN and used by MME	Increments when MME receives UE Usage Type from peer SGSN and uses it.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-cfg	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is fetched from local config and used by MME	Increments when MME fetches UE Usage Type from local config.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-enb	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from eNB and used by MME	Increments when MME receives UE Usage Type from eNB and uses it.	Per MME Service	Standard
mme	mme-decor-ue-usage-type-src-peer-amf	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer AMF and used by MME	Increments when MME receives UE Usage Type from peer AMF and uses it.	Per MME Service	Standard
mme	mme-decor-sgw-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every SGW Selection through DNS from common pool.	Per MME Service	Standard
mme	mme-decor-sgw-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from dedicated pool(DNS records having UE Usage Type which is matching)	Increments for every SGW Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	mme-decor-sgw-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected from local config without UE Usage Type	Increments for every SGW Selection from local config without UE Usage Type.	Per MME Service	Standard
mme	mme-decor-pgw-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every PGW Selection through DNS from common pool.	Per MME Service	Standard
mme	mme-decor-pgw-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every PGW Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	mme-decor-pgw-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected from local config without UE Usage Type	Increments for every PGW Selection from local config without UE Usage Type.	Per MME Service	Standard
mme	mme-decor-mme-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every MMME Selection through DNS from common pool.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	mme-decor-mme-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every MME Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	mme-decor-mme-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected from local config without UE Usage Type	Increments for every MME Selection from local config without UE Usage Type.	Per MME Service	Standard
mme	mme-decor-sgsn-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every SGSN Selection through DNS from common pool.	Per MME Service	Standard
mme	mme-decor-sgsn-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every SGSN Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	mme-decor-sgsn-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected from local config without UE Usage Type	Increments for every SGSN Selection from local config without UE Usage Type.	Per MME Service	Standard
mme	attached-lp-nbiot-subscriber	INT32	Gauge	active	The current total number of attached low power Subscribers which are operating in NBIOT	Increments for low power Subscriber getting attached in NBIOT. UE might be in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	attached-lp-eutran-subscriber	INT32	Gauge	active	The current total number of attached low power Subscribers which are operating in EUTRAN	Increments for low power Subscriber getting attached in EUTRAN. UE might be in ECM-CONNECTED or ECM-IDLE state.	Per MME Service	Standard
mme	mme-decor-mmegi-sel-dns	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every MMEGI Selection through DNS from dedicated pool.	Per MME Service	Standard
mme	mme-decor-mmegi-sel-local-cfg	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI is selected from local config	Increments for every MMEGI Selection from local config	Per MME Service	Standard
mme	mme-decor-mmegi-sel-fail	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI selection failed	Increments for every MMEGI Selection fail	Per MME Service	Standard
mme	mme-decor-guti-reallocation-attempted	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures attempted due to UE-Usage-Type Change from HSS through ISDR OR after connected mode handover and UE-Usage-Type not served by this MME. (NAS GUTI Reallocation Command message was sent by MME)	This counter increments when the GUTI reallocation Cmd is sent due to UE-Usage-Type Change from HSS through ISDR OR after connected mode handover and UE-Usage-Type not served by this MME	Per MME Service	Standard
mme	mme-decor-guti-reallocation-success	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures successful	This counter increments when the GUTI reallocation Cmd is sent successfully from MME.	Per MME Service	Standard
mme	mme-decor-guti-reallocation-failures	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedure failures	This counter increments when MME fails to send GUTI reallocation Cmd.	Per MME Service	Standard
mme	mme-decor-isdr-ue-usage-type-change	INT32	Incremental	active	This proprietary counter tracks the number of ISDR Messages rcvd with different UE-Usage-Type from HSS	This counter increments when MME receives ISDR with different UE-Usage-Type from HSS.	Per MME Service	Standard
mme	mme-decor-explicit-air-attach	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of Attach	This counter increments when MME triggers a explicit AIR during attach.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme	mme-decor-explicit-air-in-relocation	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of inbound relocation	This counter increments when MME triggers a explicit AIR during indound relocation.	Per MME Service	Standard
mme	mme-decor-explicit-air-tau-in-relocation	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of indound relocation using TAU	This counter increments when MME triggers a explicit AIR during inbound relocation using TAU.	Per MME Service	Standard
mme	mme-decor-handover-srv-area-dcn	INT32	Incremental	active	Proprietary counter provides the total number of inbound handover from service area where DCN is supported	Increments for every inbound handover from DCN service area.	Per MME Service	Standard
mme	mme-decor-handover-srv-area-non-dcn	INT32	Incremental	active	Proprietary counter provides the total number of inbound handover from service area where DCN is not supported	Increments for every inbound handover from Non DCN service area.	Per MME Service	Standard
mme	emm-msgtx-attach-rej-38network-fail	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 38:Pdn Network failure.	Increments when Attach Reject message is sent with cause Pdn Network failure.	Per MME Service	Standard
mme	esm-msgtx-pdncon-rej-38network-fail	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent, with the cause code 38: Pdn Network failure.	Increments when a PDN Connectivity Reject message is sent with cause Pdn Network failure.	Per MME Service	Standard
mme-decor	mme-decor-profile-name	STRING	Primary-key	active	Name of the DECOR Profile.	Configuration.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-attached-subscriber	INT32	Gauge	active	Proprietary counter provides the total number of subscribers on this MME which is acting as a DCN	Increments when a UE is attached to this MME which is acting as a DCN.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Reuquests accepted by this MME which is acting as a DCN	Increments For every successful Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-attach-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of Attach due to UE Usage Type match.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-reroute-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-reroute-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests accepted by this MME which is acting as a DCN	Increments For every successful TAU Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-tau-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of TAU Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-initial-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of TAU Attach due to UE Usage Type match.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-reroute-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of TAU Attach.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-reroute-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of TAU Attach.	Per Decor Profile	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-decor	mme-decor-profile-ue-usage-type-src-hss	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type rcvd from HSS and used by MME	Increments when MME asks HSS for UE Usage Type and HSS provides it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-ue-ctxt	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is fetched from local DB Record and used by MME	Increments when MME asks fetches UE Usage Type from local DB record and uses it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-peer-mme	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer MME and used by MME	Increments when MME receives UE Usage Type from peer MME and uses it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-peer-sgsn	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer SGSN and used by MME	Increments when MME receives UE Usage Type from peer SGSN and uses it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-cfg	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is fetched from local config and used by MME	Increments when MME fetches UE Usage Type from local config.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-enb	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from eNB and used by MME	Increments when MME receives UE Usage Type from eNB and uses it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-ue-usage-type-src-peer-amf	INT32	Incremental	active	Proprietary counter provides the total number of times UE Usage Type is rcvd from peer AMF and used by MME	Increments when MME receives UE Usage Type from peer AMF and uses it.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-sgw-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every SGW Selection through DNS from common pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-sgw-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected through DNS from dedicated pool(DNS records having UE Usage Type which is matching)	Increments for every SGW Selection through DNS from dedicated pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-sgw-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGW is selected from local config without UE Usage Type	Increments for every SGW Selection from local config without UE Usage Type.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-pgw-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every PGW Selection through DNS from common pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-pgw-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every PGW Selection through DNS from dedicated pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-pgw-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times PGW is selected from local config without UE Usage Type	Increments for every PGW Selection from local config without UE Usage Type.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mme-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every MMME Selection through DNS from common pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mme-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every MME Selection through DNS from dedicated pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mme-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times MME is selected from local config without UE Usage Type	Increments for every MME Selection from local config without UE Usage Type.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-sgsn-sel-dns-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected through DNS from common pool(DNS records not having UE Usage Type)	Increments for every SGSN Selection through DNS from common pool.	Per Decor Profile	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-decor	mme-decor-profile-sgsn-sel-dns-dedicated	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every SGSN Selection through DNS from dedicated pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-sgsn-sel-local-cfg-common	INT32	Incremental	active	Proprietary counter provides the total number of times SGSN is selected from local config without UE Usage Type	Increments for every SGSN Selection from local config without UE Usage Type.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mmegi-sel-dns	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI is selected through DNS from dedicatedn pool(DNS records having UE Usage Type which is matching)	Increments for every MMEGI Selection through DNS from dedicated pool.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mmegi-sel-local-cfg	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI is selected from local config	Increments for every MMEGI Selection from local config	Per Decor Profile	Standard
mme-decor	mme-decor-profile-mmegi-sel-fail	INT32	Incremental	active	Proprietary counter provides the total number of times MMEGI selection failed	Increments for every MMEGI Selection fail	Per Decor Profile	Standard
mme-decor	mme-decor-profile-guti-reallocation-attempted	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures attempted due to UE-Usage-Type Change from HSS through ISDR OR after connected mode handover and UE-Usage-Type not served by this MME. (NAS GUTI Reallocation Command message was sent by MME)	This counter increments when the GUTI reallocation Cmd is sent due to UE-Usage-Type Change from HSS through ISDR OR after connected mode handover and UE-Usage-Type not served by this MME	Per Decor Profile	Standard
mme-decor	mme-decor-profile-guti-reallocation-success	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedures successful	This counter increments when the GUTI reallocation Cmd is sent successfully from MME.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-guti-reallocation-failures	INT32	Incremental	active	This proprietary counter tracks the number of GUTI Reallocation procedure failures	This counter increments when MME fails to send GUTI reallocation Cmd.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-isdr-ue-usage-type-change	INT32	Incremental	active	This proprietary counter tracks the number of ISDR Messages rcvd with different UE-Usage-Type from HSS	This counter increments when MME receives ISDR with different UE-Usage-Type from HSS.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-explicit-air-attach	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of Attach	This counter increments when MME triggers a explicit AIR during attach.	Per MME Service	Standard
mme-decor	mme-decor-profile-explicit-air-in-relocation	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of inbound relocation	This counter increments when MME triggers a explicit AIR during indound relocation.	Per MME Service	Standard
mme-decor	mme-decor-profile-explicit-air-tau-in-relocation	INT32	Incremental	active	This proprietary counter tracks the number of explicit AIR in case of indound relocation using TAU	This counter increments when MME triggers a explicit AIR during inbound relocation using TAU.	Per MME Service	Standard
mme-decor	mme-decor-profile-handover-srv-area-dcn	INT32	Incremental	active	Proprietary counter provides the total number of inbound handover from service area where DCN is supported	Increments for every inbound handover from DCN supported service area.	Per Decor Profile	Standard
mme-decor	mme-decor-profile-handover-srv-area-non-dcn	INT32	Incremental	active	Proprietary counter provides the total number of inbound handover from service area where DCN is not supported	Increments for every inbound handover from Non DCN supported service area.	Per Decor Profile	Standard
mme-paging-profile	mme-paging-profile-name	STRING	Primary-key	active	Name of the paging profile.	Configuration.	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage1-attempted	INT32	Incremental	active	Proprietary counter provides the total number of stage1 paging attempted by this MME for this paging profile	Increments for every stage1 paging attempted	Per Paging Profile	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-paging-profile	mme-paging-profile-stage1-success	INT32	Incremental	active	Proprietary counter provides the total number of stage1 paging success for this paging profile	Increments for every stage1 paging success	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage1-failure	INT32	Incremental	active	Proprietary counter provides the total number of stage1 paging failure for this paging profile	Increments for every stage1 paging failure	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage1-skipped	INT32	Incremental	active	Proprietary counter provides the total number of stage1 paging skipped due to MMEMGR busy state for this paging profile	Increments for every stage1 paging skipped due to MMEMGR in busy state	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage2-attempted	INT32	Incremental	active	Proprietary counter provides the total number of stage2 paging attempted by this MME for this paging profile	Increments for every stage2 paging attempted	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage2-success	INT32	Incremental	active	Proprietary counter provides the total number of stage2 paging success for this paging profile	Increments for every stage2 paging success	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage2-failure	INT32	Incremental	active	Proprietary counter provides the total number of stage2 paging failure for this paging profile	Increments for every stage2 paging failure	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage2-skipped	INT32	Incremental	active	Proprietary counter provides the total number of stage2 paging skipped due to MMEMGR busy state for this paging profile	Increments for every stage2 paging skipped due to MMEMGR in busy state	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage3-attempted	INT32	Incremental	active	Proprietary counter provides the total number of stage3 paging attempted by this MME for this paging profile	Increments for every stage3 paging attempted	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage3-success	INT32	Incremental	active	Proprietary counter provides the total number of stage3 paging success for this paging profile	Increments for every stage3 paging success	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage3-failure	INT32	Incremental	active	Proprietary counter provides the total number of stage3 paging failure for this paging profile	Increments for every stage3 paging failure	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage3-skipped	INT32	Incremental	active	Proprietary counter provides the total number of stage3 paging skipped due to MMEMGR busy state for this paging profile	Increments for every stage3 paging skipped due to MMEMGR in busy state	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage4-attempted	INT32	Incremental	active	Proprietary counter provides the total number of stage4 paging attempted by this MME for this paging profile	Increments for every stage4 paging attempted	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage4-success	INT32	Incremental	active	Proprietary counter provides the total number of stage4 paging success for this paging profile	Increments for every stage4 paging success	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage4-failure	INT32	Incremental	active	Proprietary counter provides the total number of stage4 paging failure for this paging profile	Increments for every stage4 paging failure	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage4-skipped	INT32	Incremental	active	Proprietary counter provides the total number of stage4 paging skipped due to MMEMGR busy state for this paging profile	Increments for every stage4 paging skipped due to MMEMGR in busy state	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage5-attempted	INT32	Incremental	active	Proprietary counter provides the total number of stage5 paging attempted by this MME for this paging profile	Increments for every stage5 paging attempted	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage5-success	INT32	Incremental	active	Proprietary counter provides the total number of stage5 paging success for this paging profile	Increments for every stage5 paging success	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage5-failure	INT32	Incremental	active	Proprietary counter provides the total number of stage5 paging failure for this paging profile	Increments for every stage5 paging failure	Per Paging Profile	Standard
mme-paging-profile	mme-paging-profile-stage5-skipped	INT32	Incremental	active	Proprietary counter provides the total number of stage5 paging skipped due to MMEMGR busy state for this paging profile	Increments for every stage5 paging skipped due to MMEMGR in busy state	Per Paging Profile	Standard
mme-sms	mo-sms-in-progress	INT32	Gauge	active	Number of mobile originated SMS that are waiting in the MME to be delivered.	Not Defined	Not Defined	Standard
mme-sms	mt-sms-in-progress	INT32	Gauge	active	Number of mobile terminated (MT) SMS in progress.	Not Defined	Not Defined	Standard
mme-sms	mt-sms-in-queue	INT32	Gauge	active	New gauge in release 9.0: Total number of mobile terminated SMS in the queue.	If there is already an MT-SMS transaction in progress, then the gauge When any new messages are received and queued.	per MAP service	Standard
mme-sms	sms-memory-available-in-progress	INT32	Gauge	active	Number of procedures for retrieval of available SMS memory in progress.	Not Defined	Not Defined	Standard
mme-sms	mo-sms-attempted	INT32	Incremental	active	Total number of mobile originated SMSs attempted.	Not Defined	Not Defined	Standard
mme-sms	mo-sms-successful	INT32	Incremental	active	Total number of mobile originated SMSs successful.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-sms	mt-sms-attempted	INT32	Incremental	active	Total number of mobile terminated SMSs attempted.	Not Defined	Not Defined	Standard
mme-sms	mt-sms-successful	INT32	Incremental	active	Total number of mobile terminated SMSs successful.	Not Defined	Not Defined	Standard
mme-sms	sms-memory-available-attempted	INT32	Incremental	active	Total number of procedures for retrieval of available SMS memory attempted.	Not Defined	Not Defined	Standard
mme-sms	sms-memory-available-successful	INT32	Incremental	active	Total number of procedures for retrieval of available SMS memory successful.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-data-tx	INT32	Incremental	active	Total number of protocol data units sent during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-data-rx	INT32	Incremental	active	Total number of protocol data units received during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-ack-tx	INT32	Incremental	active	Total number of Ack messages sent during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-ack-rx	INT32	Incremental	active	Total number of Ack messages received during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-tx	INT32	Incremental	active	Total number of protocol errors during connection setup in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-rx	INT32	Incremental	active	Total number of protocol errors during connection setup n Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-nwt-fail-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to network failure in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-nwt-fail-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to network failure in Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-congestion-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to congestion in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-congestion-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to congestion in Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-tid-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid transaction id (TID) in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-tid-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid transaction id (TID) in Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-semantic-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid semantics in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-semantic-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid semantics in Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-mand-info-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as mandatory information in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-mand-info-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as mandatory information in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-msg-type-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid Tx message type.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-msg-type-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid Tx message type.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-prot-state-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol state in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-prot-state-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol state in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-ie-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as information element in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-invalid-ie-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as information element in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-protocol-error-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol error in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-protocol-error-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol error in Rx message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-sms	conn-prot-error-undefined-cause-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to unspecified error in Tx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-undefined-cause-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to unspecified error in Rx message.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-data-dropped	INT32	Incremental	active	Total number of data packets dropped during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-ack-dropped	INT32	Incremental	active	Total number of Ack message dropped during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-error-dropped	INT32	Incremental	active	Total number of data packets dropped during connection setup due to error in connection.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-inval-tid-rcvd	INT32	Incremental	active	Total number of message dropped during connection setup due to invalid transaction id (TID) received.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-data-tx	INT32	Incremental	active	Total number of protocol data units sent during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-data-rx	INT32	Incremental	active	Total number of protocol data units received during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-ack-tx	INT32	Incremental	active	Total number of Ack messages sent during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-ack-rx	INT32	Incremental	active	Total number of Ack messages received during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-tx	INT32	Incremental	active	Total number of protocol errors during message relay in Tx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-rx	INT32	Incremental	active	Total number of protocol errors during message relay n Rx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-unassigned-num	INT32	Incremental	active	Total number of protocol errors during message relay due to unassigned protocol number.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-opr-determ-barring	INT32	Incremental	active	Total number of protocol errors during message relay due to operator determined barring.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-call-barred	INT32	Incremental	active	Total number of protocol errors during message relay due to call barring.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-reserved	INT32	Incremental	active	Total number of protocol errors during message relay due to reserved resources.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-sm-transfer-rej	INT32	Incremental	active	Total number of protocol errors during message relay due to session manager transfer rejection.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-dest-out-of-order	INT32	Incremental	active	Total number of protocol errors during message relay due to out of order on destination.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-unidentified-subs	INT32	Incremental	active	Total number of protocol errors during message relay due to unidentified subscriber.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-facility-rej	INT32	Incremental	active	Total number of protocol errors during message relay due facility rejection.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-unknown-subs	INT32	Incremental	active	Total number of protocol errors during message relay due to unknown subscriber.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-netwk-out-of-order	INT32	Incremental	active	Total number of protocol errors during message relay as network in out-of-order.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-temp-fail	INT32	Incremental	active	Total number of protocol errors during message relay due to temporary failure in network.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-congestion	INT32	Incremental	active	Total number of protocol errors during message relay due to congestion in network.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-not-subscribed	INT32	Incremental	active	Total number of protocol errors during message relay as this service is not subscribed by subscriber.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-not-implemented	INT32	Incremental	active	Total number of protocol errors during message relay as this service is not yet implemented.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-interworking-err	INT32	Incremental	active	Total number of protocol errors during message relay due to interworking error between two network or technology.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-res-unavail	INT32	Incremental	active	Total number of protocol errors during message relay as resources are not available.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-sms	relay-prot-err-mem-capacity-exceed	INT32	Incremental	active	Total number of protocol errors during message relay as capacity exceeded.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-ref-num-tx	INT32	Incremental	active	Total number of protocol errors during message relay as invalid reference in Tx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-ref-num-rx	INT32	Incremental	active	Total number of protocol errors during message relay as invalid reference in Rx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-semantic-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid semantics in Tx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-semantic-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid semantics in Rx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-mand-info-tx	INT32	Incremental	active	Total number of protocol errors during message relay as mandatory information in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-mand-info-rx	INT32	Incremental	active	Total number of protocol errors during message relay as mandatory information in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-msg-type-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid Tx message type.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-msg-type-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid Tx message type.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-prot-state-tx	INT32	Incremental	active	Total number of protocol errors during message relay as protocol state in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-prot-state-rx	INT32	Incremental	active	Total number of protocol errors during message relay as protocol state in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-ie-tx	INT32	Incremental	active	Total number of protocol errors during message relay as information element in Tx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-inval-ie-rx	INT32	Incremental	active	Total number of protocol errors during message relay as the information element in Rx message is invalid.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-protocol-error-rx	INT32	Incremental	active	Total number of RP ERROR messages sent with the cause Protocol Error in the message header.	Counter When receiving an RP ERROR, with cause Protocol Error, from the MS/SMSC.	per MAP service	Standard
mme-sms	relay-prot-err-protocol-error-tx	INT32	Incremental	active	Total number of protocol errors during message relay when there are protocol errors in the transmitted message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-unidentified-error-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to unspecified error in Tx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-err-unidentified-error-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to unspecified error in Rx message.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-smma-rx	INT32	Incremental	active	Counter new in release 9.0: Total number RP SMMA messages received.	When the MMS receives an RP SMMA message from the MS/UE.	per MAP service	Standard
mme-sms	relay-prot-data-dropped	INT32	Incremental	active	Total number of data packets dropped during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-ack-dropped	INT32	Incremental	active	Total number of Ack message dropped during message relay.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-error-dropped	INT32	Incremental	active	Total number of data packets dropped during message relay due to error in connection.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-decode-failure	INT32	Incremental	active	Total number of message dropped during message relay due to invalid transaction id (TID) received.	Not Defined	Not Defined	Standard
mme-sms	concat-mo-sms	INT32	Incremental	active	Total number of concatenated mobile originated SMSs.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-timer-expiry	INT32	Incremental	active	Total number of events when timer expired during connection setup.	Not Defined	Not Defined	Standard
mme-sms	tr1n-timer-expiry	INT32	Incremental	active	Total number of events when TR1N timer expired during mobile terminated SMS is in wait state for RP-ACK.	Not Defined	Not Defined	Standard
mme-sms	tr2n-timer-expiry	INT32	Incremental	active	Total number of events when TR2N timer expired during mobile terminated SMS is in wait state to send RP-ACK.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-sms	conn-prot-data-retrans	INT32	Incremental	active	Total number of protocol data units retransmitted during connection setup.	Not Defined	Not Defined	Standard
mme-sms	relay-prot-msg-encode-fail	INT32	Incremental	active	Total number of message encoding failed during message relay.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-data-tx-fail	INT32	Incremental	active	Total number of protocol data units Tx messages failed during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-data-inval-tid	INT32	Incremental	active	Total number of protocol data units with invalid transaction id (ID) during connection setup.	Not Defined	Not Defined	Standard
mme-sms	conn-prot-max-retrans-reached	INT32	Incremental	active	Total number of events when retransmission limit exhausted during connection setup.	Not Defined	Not Defined	Standard
mme-sms	mt-fail-no-db-rec	INT32	Incremental	active	Total number of mobile terminated messages failed as not database record available.	Not Defined	Not Defined	Standard
mme-sms	mt-fail-conn-prot-data-no-ack-rcvd	INT32	Incremental	active	Total number of mobile terminated messages failed as no acknowledgement received during connection setup.	Not Defined	Not Defined	Standard
mme-sms	mt-fail-fwd-busy-subs	INT32	Incremental	active	Total mobile terminated messages failed due to busy subscriber.	Not Defined	Not Defined	Standard
mme-sms	mt-fail-fwd-detached-subs	INT32	Incremental	active	Total mobile terminated messages failed due to detached subscriber.	Not Defined	Not Defined	Standard
mme-sms	mt-fail-mt-queue-full	INT32	Incremental	active	Total mobile terminated messages failed as messaged queue was full.	Not Defined	Not Defined	Standard
mme-tai	tai-mnc	STRING	Primary-key	active	Configured MNC of a TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-mcc	INT16	Primary-key	active	Configured MCC of a TAI. For statistics with the Int16 data type and the roll over to zero limit is 65535.	Not Defined	Per TAI	Standard
mme-tai	tai-tac	INT16	Primary-key	active	Configured TAC of a TAI. For statistics with the Int16 data type and the roll over to zero limit is 65535.	Not Defined	Per TAI	Standard
mme-tai	tai-mnc-len	INT16	Gauge	active	Configured MNC length of TAI. For statistics with the Int16 data type and the roll over to zero limit is 65535.	Not Defined	Per TAI	Standard
mme-tai	tai-epsattach-attempted	INT32	Incremental	active	Total number of EPS Attach attempted (Sum of EPS Attach by IMSI, IMEI, Foreign GUTI, Local GUTI and PTMSI).	Increments when an EPS attach (Any of these: IMSI, IMEI, Foreign GUTI, Local GUTI or PTMSI) succeeds or fails.	Per MME Service	Standard
mme-tai	tai-epsattach-success	INT32	Incremental	active	Total number of EPS Attach succeeded (Sum of EPS Attach by IMSI, IMEI, Foreign GUTI, Local GUTI and PTMSI).	Increments when an EPS attach (Any of these: IMSI, IMEI, Foreign GUTI, Local GUTI or PTMSI) succeeds.	Per MME Service	Standard
mme-tai	tai-epsattach-failures	INT32	Incremental	active	Total number of EPS Attach failed (Sum of EPS Attach by IMSI, IMEI, Foreign GUTI, Local GUTI and PTMSI).	Increments when an EPS attach (Any of these: IMSI, IMEI, Foreign GUTI, Local GUTI or PTMSI) fails.	Per MME Service	Standard
mme-tai	tai-combinedattach-attempted	INT32	Incremental	active	Total number of Combined Attach attempted.	Increments when a Combined attach (Any of these: IMSI, Foreign GUTI, Local GUTI or PTMSI) succeeds or fails.	Per MME Service	Standard
mme-tai	tai-combinedattach-success	INT32	Incremental	active	Total number of Combined Attach succeeded.	Increments when a Combined attach (Any of these: IMSI, Foreign GUTI, Local GUTI or PTMSI) succeeds	Per TAI	Standard
mme-tai	tai-combinedattach-failures	INT32	Incremental	active	Total number of Combined Attach failed.	Increments when a Combined attach (Any of these: IMSI, Foreign GUTI, Local GUTI or PTMSI) fails.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-combinedattach-success-eps	INT32	Incremental	active	Total number of Combined Attach succeeded for EPS only.	Increments when a Combined attach (Any of these: IMSI, Foreign GUTI, Local GUTI or PTMSI) succeeds for EPS only.	Per TAI	Standard
mme-tai	tai-epsattach-emergency-attempted	INT32	Incremental	active	Total number of Emergency Attach attempted.	Increments when an Emergency attach succeeds or fails.	Per TAI	Standard
mme-tai	tai-epsattach-emergency-success	INT32	Incremental	active	Total number of Emergency Attach succeeded.	Increments when an Emergency attach succeeds.	Per TAI	Standard
mme-tai	tai-epsattach-emergency-failures	INT32	Incremental	active	Total number of Emergency Attach failed.	Increments when an Emergency attach fails.	Per TAI	Standard
mme-tai	tai-intra-tau-attempted	INT32	Incremental	active	Total number of Intra-MME normal TAU attempted with or without S-GW change.	Increments when Intra-MME normal TAU with or without S-GW change succeeds or fails.	Per TAI	Standard
mme-tai	tai-intra-tau-success	INT32	Incremental	active	Total number of Intra-MME normal TAU succeeded with or without S-GW change.	Increments when Intra-MME normal TAU with or without S-GW change succeeds.	Per TAI	Standard
mme-tai	tai-intra-tau-failures	INT32	Incremental	active	Total number of Intra-MME normal TAU failed with or without S-GW change.	Increments when Intra-MME normal TAU with or without S-GW change fails.	Per TAI	Standard
mme-tai	tai-dtal-intra-tau-attempted	INT32	Incremental	active	Total number of Dynamic TAI List Intra-MME normal TAU attempted with or without S-GW change.	Increments when Dynamic TAI List Intra-MME normal TAU with or without S-GW change succeeds or fails.	Per TAI	Standard
mme-tai	tai-dtal-intra-tau-success	INT32	Incremental	active	Total number of Dynamic TAI List Intra-MME normal TAU succeeded with or without S-GW change.	Increments when Dynamic TAI List Intra-MME normal TAU with or without S-GW change succeeds.	Per TAI	Standard
mme-tai	tai-dtal-intra-tau-failures	INT32	Incremental	active	Total number of Dynamic TAI List Intra-MME normal TAU failed with or without S-GW change.	Increments when Dynamic TAI List Intra-MME normal TAU with or without S-GW change fails.	Per TAI	Standard
mme-tai	tai-intra-ta-la-update-attempted	INT32	Incremental	active	Total number of Intra-MME Combined TA/LA attempted with or without S-GW change.	Increments when Intra-MME Combined TA/LA with or without S-GW change succeeds or fails.	Per TAI	Standard
mme-tai	tai-intra-ta-la-update-success	INT32	Incremental	active	Total number of Intra-MME Combined TA/LA succeeded with or without S-GW change.	Increments when Intra-MME Combined TA/LA with or without S-GW change succeeds.	Per TAI	Standard
mme-tai	tai-intra-ta-la-update-failures	INT32	Incremental	active	Total number of Intra-MME Combined TA/LA failed with or without S-GW change.	Increments when Intra-MME Combined TA/LA with or without S-GW change fails.	Per TAI	Standard
mme-tai	tai-intra-ta-la-update-success-eps	INT32	Incremental	active	Total number of Intra-MME Combined TA/LA succeeded with or without S-GW change for EPS only.	Increments when Intra-MME Combined TA/LA with or without S-GW change succeeds for EPS only.	Per TAI	Standard
mme-tai	tai-intra-imsi-tau-attempted	INT32	Incremental	active	Total number of Intra-MME TAU IMSI Attach attempted with or without S-GW change.	Increments when Intra-MME TAU IMSI Attach with or without S-GW change succeeds or fails.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-intra-imsi-tau-success	INT32	Incremental	active	Total number of Intra-MME TAU IMSI Attach succeeded with or without S-GW change.	Increments when Intra-MME TAU IMSI Attach with or without S-GW change succeeds.	Per TAI	Standard
mme-tai	tai-intra-imsi-tau-failures	INT32	Incremental	active	Total number of Intra-MME TAU IMSI Attach failed with or without S-GW change.	Increments when Intra-MME TAU IMSI Attach with or without S-GW change fails.	Per TAI	Standard
mme-tai	tai-intra-imsi-tau-success-eps	INT32	Incremental	active	Total number of Intra-MME TAU IMSI Attach succeeded with or without S-GW change for EPS only.	Increments when Intra-MME TAU IMSI Attach with or without S-GW change succeeds for EPS only.	Per TAI	Standard
mme-tai	tai-tau-periodic-attempted	INT32	Incremental	active	Total number of Intra-MME Periodic TAU attempted.	Increments when Intra-MME Periodic TAU succeeds or fails.	Per TAI	Standard
mme-tai	tai-tau-periodic-success	INT32	Incremental	active	Total number of Intra-MME Periodic TAU succeeded.	Increments when Intra-MME Periodic TAU succeeds.	Per TAI	Standard
mme-tai	tai-tau-periodic-failures	INT32	Incremental	active	Total number of Intra-MME Periodic TAU failed.	Increments when Intra-MME Periodic TAU fails.	Per TAI	Standard
mme-tai	tai-dtal-tau-periodic-attempted	INT32	Incremental	active	Total number of Intra-MME Dynamic TAI List Periodic TAU attempted.	Increments when Intra-MME Dynamic TAI List Periodic TAU succeeds or fails.	Per TAI	Standard
mme-tai	tai-dtal-tau-periodic-success	INT32	Incremental	active	Total number of Intra-MME Dynamic TAI List Periodic TAU succeeded.	Increments when Intra-MME Dynamic TAI List Periodic TAU succeeds.	Per TAI	Standard
mme-tai	tai-dtal-tau-periodic-failures	INT32	Incremental	active	Total number of Intra-MME Dynamic TAI List Periodic TAU failed.	Increments when Intra-MME Dynamic TAI List Periodic TAU fails.	Per TAI	Standard
mme-tai	tai-inter-tau-attempted	INT32	Incremental	active	Total number of Inter-node TAU attempted using P-TMSI or Foreign GUTI.	Increments when Inter-node TAU using P-TMSI or Foreign GUTI succeeds or fails	Per TAI	Standard
mme-tai	tai-inter-tau-success	INT32	Incremental	active	Total number of Inter-node TAU succeeded using P-TMSI or Foreign GUTI.	Increments when Inter-node TAU using P-TMSI or Foreign GUTI succeeds.	Per TAI	Standard
mme-tai	tai-inter-tau-failures	INT32	Incremental	active	Total number of Inter-node TAU failed using P-TMSI or Foreign GUTI.	Increments when Inter-node TAU using P-TMSI or Foreign GUTI fails.	Per TAI	Standard
mme-tai	tai-inter-ta-la-update-attempted	INT32	Incremental	active	Total number of Inter-node Combined TA/LA attempted using P-TMSI or Foreign GUTI.	Increments when Inter-node Combined TA/LA using P-TMSI or Foreign GUTI succeeds or fails.	Per TAI	Standard
mme-tai	tai-inter-ta-la-update-success	INT32	Incremental	active	Total number of Inter-node Combined TA/LA succeeded using P-TMSI or Foreign GUTI.	Increments when Inter-node Combined TA/LA using P-TMSI or Foreign GUTI succeeds.	Per TAI	Standard
mme-tai	tai-inter-ta-la-update-failures	INT32	Incremental	active	Total number of Inter-node Combined TA/LA failed using P-TMSI or Foreign GUTI.	Increments when Inter-node Combined TA/LA using P-TMSI or Foreign GUTI fails.	Per TAI	Standard
mme-tai	tai-inter-ta-la-update-success-eps	INT32	Incremental	active	Total number of Inter-node Combined TA/LA succeeded using P-TMSI or Foreign GUTI for EPS only.	Increments when Inter-node Combined TA/LA using P-TMSI or Foreign GUTI succeeds for EPS only.	Per TAI	Standard
mme-tai	tai-emmevent-detachueinit-attempted	INT32	Incremental	active	Total number of UE initiated detach attempted.	Increments when UE initiated detach succeeds or fails.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emmevent-detachueinit-success	INT32	Incremental	active	Total number of UE initiated detach succeeded.	Increments when UE initiated detach succeeds.	Per TAI	Standard
mme-tai	tai-emmevent-detachueinit-failures	INT32	Incremental	active	Total number of UE initiated detach failed.	Increments when UE initiated detach fails.	Per TAI	Standard
mme-tai	tai-ecmevent-ue-srvcreq-attempt	INT32	Incremental	active	Total number of UE initiated Service request attempted.	Increments when UE initiated Service request succeeds or fails.	Per TAI	Standard
mme-tai	tai-ecmevent-ue-srvcreq-success	INT32	Incremental	active	Total number of UE initiated Service request succeeded.	Increments when UE initiated Service request succeeds.	Per TAI	Standard
mme-tai	tai-ecmevent-ue-srvcreq-failure	INT32	Incremental	active	Total number of UE initiated Service request failed.	Increments when UE initiated Service request fails.	Per TAI	Standard
mme-tai	tai-ecmevent-nw-srvcreq-attempt	INT32	Incremental	active	Total number of NW initiated Service request attempted.	Increments when NW initiated Service request succeeds or fails.	Per TAI	Standard
mme-tai	tai-ecmevent-nw-srvcreq-success	INT32	Incremental	active	Total number of NW initiated Service request succeeded.	Increments when NW initiated Service request succeeds.	Per TAI	Standard
mme-tai	tai-ecmevent-nw-srvcreq-failure	INT32	Incremental	active	Total number of NW initiated Service request failed.	Increments when NW initiated Service request fails.	Per TAI	Standard
mme-tai	tai-paging-attempted	INT32	Incremental	active	Total number of Paging attempted by MME.	Increments when Paging initiated by MME attempted.	Per TAI	Standard
mme-tai	tai-s1-paging-tx	INT32	Incremental	active	Total number of S1 Paging message sent by MME.	Increments when S1 Paging message is by MME.	Per TAI	Standard
mme-tai	tai-paging-init-events-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-paging-init-events-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-paging-init-events-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-paging-last-enb-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-paging-last-tai-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-paging-tai-list-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-init-events-attempted	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-init-events-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-init-events-failures	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-last-enb-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-last-tai-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-paging-tai-list-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mme-tai	tai-ps-qci-1-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service.	Per TAI	Standard
mme-tai	tai-ps-qci-1-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service, and succeeds.	Per TAI	Standard
mme-tai	tai-ps-qci-1-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Standard
mme-tai	tai-ps-qci-1-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-qci-1-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-ps-qci-1-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9).	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-2-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-3-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-3-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-3-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-qci-3-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-3-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-3-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-4-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-5-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-5-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-qci-5-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-5-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-5-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-5-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-6-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-7-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-qci-7-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-7-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-7-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-7-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-7-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-8-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-qci-9-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service	Per TAI	Standard
mme-tai	tai-ps-qci-9-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service, and succeeds	Per TAI	Standard
mme-tai	tai-ps-qci-9-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that failed. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when MME starts to page UE for packet service,and fails	Per TAI	Standard
mme-tai	tai-ps-qci-9-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-9-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai)	Per TAI	Standard
mme-tai	tai-ps-qci-9-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE. Individual statistics are provided for the specified QoS Class Identifier (QCI) value (1-9)	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai)	Per TAI	Standard
mme-tai	tai-ps-arp-1-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-1-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-1-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 1 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-1-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-1-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-1-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 1 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 2 event.	Increments when MME starts to page UE for packet service, and fails	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-2-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 2 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-3-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-3-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-3-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 3 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-3-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-3-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-3-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 3 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 4 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-4-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 4 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-5-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-5-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-5-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 5 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-5-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-5-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-5-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 5 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 6 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-6-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 6 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-7-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 7 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-7-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 7 event.	Not Defined	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Proprietary
mme-tai	tai-ps-arp-7-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 7 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-7-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-7-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-7-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 7 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-8-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-8-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-8-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 8 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-8-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-8-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-8-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 8 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 9 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-9-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 9 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-10-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-10-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-10-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 10 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-10-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-10-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-10-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 10 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 11 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-11-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 11 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-12-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-12-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-12-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 12 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-12-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-12-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-12-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 12 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 13 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-13-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 13 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-14-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-14-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-14-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 14 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-14-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai)	Per TAI	Proprietary
mme-tai	tai-ps-arp-14-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-14-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 14 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-15-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-arp-15-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that were successful. This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-arp-15-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that Failed. This stat is incremented for ARP 15 event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-arp-15-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-arp-15-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-ps-arp-15-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for ARP 15 event.	Increments when the UE responds to the paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that were attempted.This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service.	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-init-events-success	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiattion Events that were successful. This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service, and succeeds. i.e. This gets incremented once UE comes to connected mode following by paging.	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-init-events-failures	INT32	Incremental	active	The total number of ECM statistics-related PS Paging Initiation Events that Failed. This stat is incremented for APN-Profile event.	Increments when MME starts to page UE for packet service, and fails.	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at the last known eNodeB.This stat is incremented for APN-Profile event.	Increments when the UE responds to the paging attempt for packet service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard. This stat is incremented for APN-Profile events.	Increments when the UE responds to the paging attempt for packet service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Proprietary
mme-tai	tai-ps-apn-profile-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related PS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.This stat is incremented for APN-Profile event.	Increments when the UE responds tot he paging attempt for packet service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Proprietary
mme-tai	tai-cs-voice-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch voice service.	Per TAI	Standard
mme-tai	tai-cs-voice-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch voice service, and succeeds.	Per TAI	Standard
mme-tai	tai-cs-voice-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch voice service, and fails.	Per TAI	Standard
mme-tai	tai-cs-voice-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for Circuit Switch voice service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-cs-voice-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch voice service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-cs-voice-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS Voice Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch voice service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-cs-sms-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch SMS service.	Per TAI	Standard
mme-tai	tai-cs-sms-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch SMS service, and succeeds.	Per TAI	Standard
mme-tai	tai-cs-sms-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch SMS service, and fails.	Per TAI	Standard
mme-tai	tai-cs-sms-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard
mme-tai	tai-cs-sms-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch SMS service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-cs-sms-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS SMS Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch SMS after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-cs-other-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that were attempted.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service.	Per TAI	Standard
mme-tai	tai-cs-other-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that were successful.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service, and succeeds.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-cs-other-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that failed.	Increments when MME starts to page UE for Circuit Switch non-voice and SMS service, and fails.	Per TAI	Standard
mme-tai	tai-cs-other-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at the last known eNodeB..	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard
mme-tai	tai-cs-other-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-cs-other-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related CS other Paging Initiation Events that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for Circuit Switch non-voice and SMS service after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that were attempted.	Increments when MME pages the UE to detach the UE.	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that were successful.	Increments when MME pages the UE to detach the UE, and succeeds.	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that failed.	Increments when MME pages the UE to detach the UE, and fails.	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt to detach the UE at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt to detach the UE at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signaling-detach-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to detach the UE that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt to detach the UE after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-signalling-pdn-reconn-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that were attempted.	Increments when MME pages the UE to reconnect PDN	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-signalling-pdn-reconn-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that were successful	Increments when MME pages the UE to reconnect PDN and succeeds	Per TAI	Standard
mme-tai	tai-signalling-pdn-reconn-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that failed	Increments when MME pages the UE to reconnect PDN and fails	Per TAI	Standard
mme-tai	tai-signalling-pdn-reconn-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt to reconnect PDN at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signalling-pdn-reconn-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Increments when the UE responds to the paging attempt to reconnect PDN at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signalling-pdn-reconn-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to UE to reconnect PDN that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt to reconnect PDN after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that were attempted.	Increments when MME pages the UE due to an LCS Position Request.	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that were successful.	Increments when MME pages the UE due to an LCS Position Request, and succeeds.	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that failed.	Increments when MME pages the UE due to an LCS Position Request, and fails.	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt for an LCS Position Request at the last eNodeB (paging profile used: last-n-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt for an LCS Position Request at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signaling-lcs-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests due to Positioning Requests from SMLC for Location Services (LCS) that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt for an LCS Position Request after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-signaling-ipne-paging-init-events-attempted	INT32	Incremental	active	Proprietary counter tracks the number of IPNE-triggered paging attempts.	Increments each attempt at paging triggered by the MME receiving an IPNE query request for a UE in idle mode.	Per TAI	Standard
mme-tai	tai-signaling-ipne-paging-init-events-success	INT32	Incremental	active	Proprietary counter tracks the number of times IPNE-triggered paging succeeds.	Increments when paging, triggered by the MME receiving an IPNE query request for a UE in idle mode, is successful.	Per TAI	Standard
mme-tai	tai-signaling-ipne-paging-init-events-failures	INT32	Incremental	active	Proprietary counter tracks the number of times that IPNE-triggered paging fails.	Increments when paging, triggered by the MME receiving an IPNE query request for a UE in idle mode, fails.	Per TAI	Standard
mme-tai	tai-signaling-ipne-paging-last-enb-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with last eNB paging.	Increments when paging in last eNB is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per TAI	Standard
mme-tai	tai-signaling-ipne-paging-last-tai-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with last TAI paging.	Increments when paging in last TAI is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per TAI	Standard
mme-tai	tai-signaling-ipne-paging-tai-list-success	INT32	Incremental	active	Proprietary counter provides the number of times IPNE-triggered paging occurred successfully with TAI list paging.	Increments when paging in the TAI list is successful, for paging triggered on receiving an IPNE query request for a UE in idle mode.	Per TAI	Standard
mme-tai	tai-signaling-noderes-paging-init-events-attempted	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that were attempted.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature.	Per TAI	Standard
mme-tai	tai-signaling-noderes-paging-init-events-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that were successful.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature, and succeeds.	Per TAI	Standard
mme-tai	tai-signaling-noderes-paging-init-events-failures	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that failed.	Increments when the MME sends a paging request to a UE to detach it due to Node Restoration feature, and fails.	Per TAI	Standard
mme-tai	tai-signaling-noderes-paging-last-enb-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at the last known eNodeB.	Increments when the UE responds to the paging attempt at the last known eNodeB (paging profile used: last-n-enb-last-tai)..	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-signaling-noderes-paging-last-tai-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at an eNodeB in the TAI from which the UE was last heard.	Increments when the UE responds to the paging attempt at the last known Tracking Area Identifier (paging profile used: all-enb-last-tai).	Per TAI	Standard
mme-tai	tai-signaling-noderes-paging-tai-list-success	INT32	Incremental	active	The total number of ECM Statistics-related Paging requests to deactive a PDN due to Node Restoration (P-GW Restart Notification) that succeeded at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when the UE responds to the paging attempt after the entire TAI list was checked (paging profile used: all-enb-all-tai).	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-init-events-attempted	INT32	Incremental	active	This proprietary counter tracks the total number of times the MME attempts IDR-initiated paging of a UE.	Increments when, in response to an IDR Request if the UE is in idle mode, the MME attempts to page the UE.	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-init-events-success	INT32	Incremental	active	This proprietary counter tracks the total number of times the MME successfully performs IDR-initiated paging of a UE.	Increments when, in response to an IDR Request if the UE is in idle mode, the MME succeeds in paging the UE.	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-init-events-failures	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging of a UE fails.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME fails in paging the UE.	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-last-enb-success	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging of an eNodeB was successful.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME succeeds in paging the last eNodeB.	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-last-tai-success	INT32	Incremental	active	This proprietary counter tracks the total number of times IDR-initiated paging the last Tracking Area Identifier (TAI) was successful.	Increments when, in response to receiving an IDR Request if the UE is in idle mode, the MME succeeds in paging the last TAI.	Per TAI	Standard
mme-tai	tai-signaling-idr-paging-tai-list-success	INT32	Incremental	active	This proprietary counter tracks the total number of successful IDR-initiated pagings to a UE at an eNodeB in all TAIs present in the TAI list assigned to the UE.	Increments when MME attempts to page the UE, and succeeds after the entire TAI list was checked.	Per TAI	Standard
mme-tai	tai-emmevent-x2ho-attempt	INT32	Incremental	active	Total number of X2 based handover attempted.	Increments when X2 based handover succeeds or fails.	Per TAI	Standard
mme-tai	tai-emmevent-x2ho-success	INT32	Incremental	active	Total number of X2 based handover succeeded.	Increments when X2 based handover succeeds.	Per TAI	Standard
mme-tai	tai-emmevent-x2ho-failure	INT32	Incremental	active	Total number of X2 based handover failed.	Increments when X2 based handover fails.	Per TAI	Standard
mme-tai	tai-emmevent-s1ho-attempt	INT32	Incremental	active	Total number of S1 based handover attempted.	Increments when S1 based handover succeeds or fails.	Per TAI	Standard
mme-tai	tai-emmevent-s1ho-success	INT32	Incremental	active	Total number of S1 based handover succeeded.	Increments when S1 based handover succeeds.	Per TAI	Standard
mme-tai	tai-emmevent-s1ho-failure	INT32	Incremental	active	Total number of S1 based handover failed.	Increments when S1 based handover fails.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-attach-accept	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request.	Increments for each Attach Accept message sent from the MME for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-retx	INT32	Incremental	active	Total number of Attach Accept messages retransmitted for an Attach request.	Increments for each Attach Accept message retransmitted from the MME for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-imsi-unknown	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request, with a cause code of 2: IMSI unknown in HSS.	Increments for each Attach Accept message sent from the MME with EMM cause code 2: IMSI unknown in HSS, for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-no-msc	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request, with a cause code of 16: MSC temporarily not reachable.	Increments for each Attach Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-nw-fail	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request, with a cause code of 17: Network failure.	Increments for each Attach Accept message sent from the MME with EMM cause code 17: Network failure, for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-congestion	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request, with a cause code of 22: Congestion.	Increments for each Attach Accept message sent from the MME with EMM cause code 22: Congestion, for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-accept-no-cs	INT32	Incremental	active	Total number of Attach Accept messages sent for an Attach request, with a cause code of 18: CS Domain not available.	Increments for each Attach Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-reject	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request.	Increments when an Attach Reject message is sent for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-imsi-unknown-hss	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 2: IMSI unknown in HSS.	Increments when an Attach Reject message is sent with cause 2: IMSI unknown in HSS for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-illegal-ue	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 3: Illegal UE.	Increments when an Attach Reject message is sent with cause 3: Illegal UE for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-illegal-me	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 6: Illegal ME.	Increments when an Attach Reject message is sent with cause 6: Illegal ME for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-eps-not-allowed	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 7: EPS services not allowed.	Increments when an Attach Reject message is sent with cause 7: EPS services not allowed for an Attach request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-network-failure	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 17: Network failure.	Increments when an Attach Reject message is sent with cause 17: Network failure for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-csg-not-subscribed	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach Request, with a cause CSG Not Subscribed. This stat maps to MME_STATS_ENUM_MSG_ATTACH_REJECT_CAUSE_25	Increments when an Attach Reject message with cause CSG Not Subscribed is sent in response to an Attach Request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-decode-failure	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 23: UE security capabilities mismatch.	Increments when an Attach Reject message is sent with cause 23: UE security capabilities mismatch for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-imei-not-accept	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 5: IMEI not accepted.	Increments when an Attach Reject message is sent with cause 5: IMEI not accepted for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-roaming-restrict-ta	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 13: Roaming not allowed in this tracking area.	Increments when an Attach Reject message is sent with cause 13: Roaming not allowed in this tracking area for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-plmn-not-allow	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 11: PLMN not allowed.	Increments when an Attach Reject message is sent with cause 11: PLMN not allowed for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-no-suitable-cell-ta	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 15: No suitable cells in tracking area.	Increments when an Attach Reject message is sent with cause 15: No suitable cells in tracking area for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-ta-not-allow	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 12: Tracking area not allowed.	Increments when an Attach Reject message is sent with cause 12: Tracking area not allowed for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-eps-non-eps-not-allowed	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when an Attach Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-no-eps-svc-plmn	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when an Attach Reject message is sent with cause 14: EPS services not allowed in this PLMN for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-esm-failure	INT32	Incremental	active	Total number of Attach reject messages sent because of ESM failure.	Increments when an Attach Reject message is sent for an Attach request because of ESM failure.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-attach-rej-unknown-apn	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 27: Unknown APN.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 27: Unknown APN.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-gw-reject	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 30: Rejected By PGW/SGW.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 30 Rejected By PGW/SGW.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-gw-auth-failed	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 29: Authentication Failed.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 29 Authentication Failed.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-svc-not-supported	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 34: Service Option Temporarily Out of Order.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 34: Service Option Temporarily Out of Order.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-svc-not-subscribed	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 33: Requested Service Option Not Subscribed.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 33: Requested Service Option Not Subscribed.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-insuff-resources	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code26: Insufficient Resources.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 26: Insufficient Resources.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-activation-reject	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code31: Request rejected, unspecified.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 31: Request rejected, unspecified.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-svc-temp-out-of-order	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 34: Service Option Temporarily Out of Order.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 34: Service Option Temporarily Out of Order.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-apn-not-sup-in-plmn-rat	INT32	Incremental	active	This proprietary counter tracks the number of attach procedures failed on MME due to APN not supported in a given TAI	This counter increments when Attach is rejected on MME due to apn not supported for default PDN	Per MME Service	Standard
mme-tai	tai-emm-msgtx-attach-rej-protocol-error	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with Protocol Error cause codes: 95101, or 111.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 95101, or 111, protocol error.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-attach-rej-apn-restrict-incompatible	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code112: APN Restriction Value Incompatible with Active EPS Bearer Content.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 112: APN Restriction Value Incompatible with Active EPS Bearer Content.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request.	Increments when a Service Reject message is sent for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-ue-identity-unk	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when an Attach Reject message is sent with cause 9: UE identity cannot be derived by the network for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-impl-detached	INT32	Incremental	active	Total number of Attach Reject messages sent for an Attach request, with a cause code of 10: Implicitly detached.	Increments when an Attach Reject message is sent with cause 10: Implicitly detached for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject-no-brrs	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request, with a cause code of 40: No Bearer Active.	Increments when a Service Reject message is sent with cause 40: No Bearer Active for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject-no-csg	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request, with a cause code of 25: CSG Not Subscribed.	Increments when a Service Reject message is sent with cause 25: CSG Not Subscribed for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject-ta-no-allwd	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request, with a cause code of 12: TA Not Allowed.	Increments when a Service Reject message is sent with cause 12: TA Not Allowed for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject-no-roam-in-ta	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request, with a cause code of 13: Roaming Restricted TA.	Increments when a Service Reject message is sent with cause 13: Roaming Restricted TA for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-service-reject-no-cells-in-ta	INT32	Incremental	active	Total number of Service Reject messages sent for an Service request, with a cause code of 15: No Suitable Cells in TA.	Increments when a Service Reject message is sent with cause 15: No Suitable Cells in TA for a Service request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request.	Increments for each TAU Accept message sent from the MME for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept-retx	INT32	Incremental	active	Total number of TAU Accept messages retransmitted for an (Inter-node + Intra-MME) TAU request.	Increments for each TAU Accept message retransmitted from the MME for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-accept-imsi-unknown	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments for each TAU Accept message sent from the MME with EMM cause code 2: IMSI unknown in HSS, for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept-no-msc	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 16: MSC temporarily not reachable.	Increments for each TAU Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept-nw-fail	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 17: Network failure.	Increments for each TAU Accept message sent from the MME with EMM cause code 17: Network failure, for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept-congestion	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 22: Congestion.	Increments for each TAU Accept message sent from the MME with EMM cause code 22: Congestion, for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-accept-no-cs	INT32	Incremental	active	Total number of TAU Accept messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 18: CS Domain not available.	Increments for each TAU Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request.	Increments for each TAU Accept message sent from the MME for an Inter-node TAU request	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept-retx	INT32	Incremental	active	Total number of TAU Accept messages retransmitted for an Inter-node TAU request.	Increments for each TAU Accept message retransmitted from the MME for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept-imsi-unknown	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments for each TAU Accept message sent from the MME with EMM cause code 2: IMSI unknown in HSS, for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept-no-msc	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request, with a cause code of 16: MSC temporarily not reachable.	Increments for each TAU Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an Inter-node TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-inter-accept-nw-fail	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request, with a cause code of 17: Network failure.	Increments for each TAU Accept message sent from the MME with EMM cause code 17: Network failure, for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept-congestion	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request, with a cause code of 22: Congestion.	Increments for each TAU Accept message sent from the MME with EMM cause code 22: Congestion, for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-accept-no-cs	INT32	Incremental	active	Total number of TAU Accept messages sent for an Inter-node TAU request, with a cause code of 18: CS Domain not available.	Increments for each TAU Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request.	Increments for each TAU Accept message sent from the MME for an Intra-MME TAU request	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-retx	INT32	Incremental	active	Total number of TAU Accept messages retransmitted for an Intra-MME TAU request.	Increments for each TAU Accept message retransmitted from the MME for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-imsi-unknown	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments for each TAU Accept message sent from the MME with EMM cause code 2: IMSI unknown in HSS, for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-no-msc	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 16: MSC temporarily not reachable.	Increments for each TAU Accept message sent from the MME with EMM cause code 16: MSC temporarily not reachable, for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-nw-fail	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 17: Network failure.	Increments for each TAU Accept message sent from the MME with EMM cause code 17: Network failure, for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-congestion	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 22: Congestion.	Increments for each TAU Accept message sent from the MME with EMM cause code 22: Congestion, for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-accept-no-cs	INT32	Incremental	active	Total number of TAU Accept messages sent for an Intra-MME TAU request, with a cause code of 18: CS Domain not available.	Increments for each TAU Accept message sent from the MME with EMM cause code 18: CS Domain not available, for an Intra-MME TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-reject	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request.	Increments when a TAU Reject message is sent for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-imsi-unknown-hss	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-illegal-ue	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-illegal-me	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-network-fail	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-decode-failure	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-no-bearer-active	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-ue-identity-unk	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-implicit-detached	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-imei-not-accept	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-roaming-restrict-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-plmn-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-no-suitable-cell-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-ta-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-no-eps-svc-plmn	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 14: EPS services not allowed in this PLMN for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-csg-not-subscribed	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-eps-non-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an (Inter-node + Intra-MME) TAU request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an (Inter-node or Intra-MME) TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-reject	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request.	Increments when a TAU Reject message is sent for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-imsi-unknown-hss	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS for an Inter-node TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-inter-illegal-ue	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-illegal-me	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-network-fail	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-decode-failure	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-no-bearer-active	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-ue-identity-unk	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-implicit-detached	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-imei-not-accept	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-roaming-restrict-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-plmn-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed for an Inter-node TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-inter-no-suitable-cell-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-ta-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-no-eps-svc-plmn	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 14: EPS services not allowed in this PLMN for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-csg-not-subscribed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-eps-non-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Inter-node TAU request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-reject	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request.	Increments when a TAU Reject message is sent for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-imsi-unknown-hss	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 2: IMSI unknown in HSS.	Increments when a TAU Reject message is sent with cause 2: IMSI unknown in HSS for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-illegal-ue	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-illegal-me	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-network-fail	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure for an Intra-MME TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-intra-decode-failure	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-no-bearer-active	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 40: No EPS bearer context activated.	Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-ue-identity-unk	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-implicit-detached	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 10: Implicitly detached.	Increments when a TAU Reject message is sent with cause 10: Implicitly detached for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-imei-not-accept	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-roaming-restrict-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-plmn-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-no-suitable-cell-ta	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-ta-not-allow	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-no-eps-svc-plmn	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 14: EPS services not allowed in this PLMN for an Intra-MME TAU request.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-intra-csg-not-subscribed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 25: Not authorized for this CSG.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-eps-non-eps-not-allowed	INT32	Incremental	active	Total number of TAU Reject messages sent for an Intra-MME TAU request, with a cause code of 8: EPS services and non-EPS services not allowed.	Increments when a TAU Reject message is sent with cause 8: EPS services and non-EPS services not allowed for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-no-rej-send-total	INT32	Incremental	active	The total number of Attach Accept or Reject messages not sent for Attach requests.	Increments when Attach Accept or Reject message is not sent for an Attach request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-auth-failed	INT32	Incremental	active	The total number of authentication failed and an Attach Accept or Reject message is not sent.	Increments when an authentication for an attach request fails and no attach accept or reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-ue-initiated-detach	INT32	Incremental	active	The total number of attach requests failed due to collision between an attach request and UE initiated detach and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between an attach request and UE initiated detach and no Attach Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-detach-in-progress	INT32	Incremental	active	The total number of attach requests failed due to collision between an attach request and NW initiated detach and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between an attach request and NW initiated detach and no Attach Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-diff-attach-recv	INT32	Incremental	active	The total number of attach request failed due to collision between two different attach requests with different IEs and the first attach request is dropped and an Attach Accept or Reject message is not sent.	Increments when an attach request fails due to collision between two different attach requests with different IEs and the first attach request is dropped and no Attach Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-no-rej-send-total	INT32	Incremental	active	The total number of TAU Accept or Reject messages not sent for TAU (Intra-MME + Inter-node) requests.	Increments when a TAU (Intra-MME or Inter-node) request is recieved, but no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-auth-failed	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to authentication failures and no TAU Accept or Reject message is sent.	Increments when an authentication for a TAU (Intra-MME or Inter-node) request fails and no TAU accept or reject message is sent.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-ue-initiated-detach	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and UE initiated detach and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and UE initiated detach and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-detach-in-progress	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and NW initiated detach and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and NW initiated detach and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-diff-tau-recv	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between two different TAU (Intra-MME or Inter-node) requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between two different TAU (Intra-MME or Inter-node) requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-attach-awaits-mb-resp	INT32	Incremental	active	The total number of TAU (Intra-MME + Inter-node) requests failed due to collision between a TAU (Intra-MME or Inter-node) request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Increments when a TAU (Intra-MME + Inter-node) request fails due to collision between a TAU (Intra-MME or Inter-node) request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-no-rej-send-total	INT32	Incremental	active	The total number TAU Accept or Reject messages not sent for Intra-MME TAU requests.	Increments when a TAU Accept or Reject message is not sent for an Intra-MME TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-auth-failed	INT32	Incremental	active	The total number Intra-MME TAU requests failed due to authentication failures and no TAU Accept or Reject message is sent.	Increments when an authentication for an Intra-MME TAU request fails and no TAU accept or reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-ue-initiated-detach	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-emm-msgtx-tau-intra-detach-in-progress	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and NW initiated detach and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and NW initiated detach and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-diff-tau-recv	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between two different Intra-MME TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between two different Intra-MME TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-intra-attach-awaits-mb-resp	INT32	Incremental	active	The total number of Intra-MME TAU requests failed due to collision between an Intra-MME TAU request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Increments when an Intra-MME TAU request fails due to collision between an Intra-MME TAU request and an Attach waiting for a Modify Bearer Response and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-no-rej-send-total	INT32	Incremental	active	The total number of TAU Accept or Reject messages not sent for Inter-node TAU requests.	Increments when a TAU Accept or Reject message is not sent for an Inter-node TAU request.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-auth-failed	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to authentication failure and a TAU Accept or Reject message is not sent.	Increments when authentication for an Inter-node TAU request fails and no TAU accept or reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-ue-initiated-detach	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to collision between an Inter-node TAU request and UE initiated detach and a TAU Accept or Reject message is not sent.	Increments when an Inter-node TAU request fails due to collision between an Inter-node TAU request and UE initiated detach and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgtx-tau-inter-diff-tau-recv	INT32	Incremental	active	The total number of Inter-node TAU requests failed due to collision between two different Inter-node TAU requests with different IEs and the first TAU request is dropped and a TAU Accept or Reject message is not sent.	Increments when an Inter-node TAU request fails due to collision between two different Inter-node TAU requests with different IEs and the first TAU request is dropped and no TAU Accept or Reject message is sent.	Per TAI	Standard
mme-tai	tai-emm-msgrx-attach-req	INT32	Incremental	active	Total number of EMM Attach Requests received from UE.	Increments for each Attach Request message received from UE.	Per TAI	Standard
mme-tai	tai-emm-msgrx-attach-complete	INT32	Incremental	active	Total number of EMM Attach Complete message received from UE.	Increments for each Attach Complete message received from UE.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esm-msgtx-act-ded-brr	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Activate Dedicated Bearer, sent per TAI level.	Increments, if the TAI-based statistics collection mode is configured, when an Activate Dedicated EPS Bearer Context Request message is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-act-ded-brr-retx	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Activate Dedicated Bearer, retransmitted per TAI level.	Increments, if the TAI-based statistics collection mode is configured, when an Activate Dedicated EPS Bearer Context Request message is retransmitted.	Per TAI	Standard
mme-tai	tai-esm-msgtx-act-dflt-brr	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Activate Default Bearer, sent per TAI level..	Increments, if the TAI-based statistics collection mode is configured, when an Activate Default EPS Bearer Context Request message is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-act-dflt-brr-retx	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Activate Default Bearer, retransmitted per TAI level..	Increments, if the TAI-based statistics collection mode is configured, when an Activate Default EPS Bearer Context Request message is retransmitted.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Bearer Allocation Reject, sent at the TAI level.	Increments, if the TAI-based statistics collection mode is configured, when a Bearer Resource Allocation Reject message is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-pti-inuse	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Bearer Resource Allocation Reject with cause Semantic error in the TFT operation, sent at the TAI level.	Increments, if the TAI-based statistics collection mode is configured, when a Bearer Resource Allocation Reject message with cause Semantic error in the TFT operation is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-semantic-errtft	INT32	Incremental	active	Proprietary counter tracks the total number of ESM control messages, of type Bearer Resource Allocation Reject with cause PTI already in use, sent at the TAI level.	Increments, if the TAI-based statistics collection mode is configured, when a Bearer Resource Allocation Reject message with cause PTI already in use is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-syntactic-errtft	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer allocation reject - syntactic error TFT.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-invalid-brrid	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer allocation reject - invalid bearer ID.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-collision-nwop	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer allocation reject - collision with network op.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-pgw-rej	INT32	Incremental	active	The total number of ESM control messages ent per TAI - bearer allocation reject - rejected by P-GW/S-GW.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-invalid-pti	INT32	Incremental	active	The total number of ESM control messages ent per TAI - bearer allocation reject - invalid PTI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-insuff-resource	INT32	Incremental	active	The total number of ESM control messages ent per TAI - bearer allocation reject - insufficient resources.	Not Defined	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esm-msgtx-brralloc-rej-auth-failed	INT32	Incremental	active	The total number of ESM control messages ent per TAI - bearer allocation reject - authentication failed.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer allocation reject (PDN connectivity reject), with a cause code of 32: Service operation not supported.	Increments when a PDN connectivity reject message is sent with cause 32: Service operation not supported.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brralloc-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer allocation reject (PDN connectivity reject), with a cause code of 33: Service operation not subscribed.	Increments when a PDN connectivity reject message is sent with cause 33: Service operation not subscribed.	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-pti-inuse	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - PTI already in use.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-semantic-errtft	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - semantic error TFT.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-syntactic-errtft	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - syntactic error TFT.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-invalid-brrid	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - invalid bearer ID.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-collision-nwop	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - collision with network op.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-pgw-rej	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - rejected by P-GW/S-GW.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-invalid-pti	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - invalid PTI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-insuff-resource	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - insufficient resources.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-auth-failed	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - authentication failed.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - service not supported.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-brrmod-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM control messages sent per TAI - bearer modification reject - service not subscribed.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr	INT32	Incremental	active	The total number of ESM control messages sent - deactivate bearer.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr-retx	INT32	Incremental	active	The total number of ESM control messages sent per TAI - retransmitted deactivate bearer.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr-esm-info-req	INT32	Incremental	active	The total number of ESM control messages sent per TAI - deactivate bearer - retransmitted ESM information request.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr-esm-info-req-retx	INT32	Incremental	active	The total number of ESM control messages sent per TAI - deactivate bearer - ESM information request.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr-modbrr	INT32	Incremental	active	The total number of ESM control messages sent per TAI - deactivate bearer - modify bearer.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-deactbrr-modbrr-retx	INT32	Incremental	active	The total number of ESM control messages sent per TAI of type Deactivate Bearer - retransmitted modify bearer.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej	INT32	Incremental	active	The total number of PDN Connectivity Reject type ESM control messages sent per TAI.	Increments when a PDN Connectivity Reject message is sent.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-pti-inuse	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 35: PTI Already in Use.	Increments when a PDN Connectivity Reject message is sent with cause PTI Already in Use.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esm-msgtx-pdncon-rej-apn-unk	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 27: Unknown or Missing APN.	Increments when a PDN Connectivity Reject message is sent with cause Unknown or Missing APN.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-pdntype-unk	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 28: Unknown PDN Type.	Increments when a PDN Connectivity Reject message is sent with cause Unknown PDN Type.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-inv-brrid	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code code 43: Invalid EPS Bearer Id.	Increments when a PDN Connectivity Reject message is sent with cause Invalid EPS Bearer Id.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-apn-not-sup-in-plmn-rat	INT32	Incremental	active	This proprietary counter tracks the number of default bearer activations rejected on MME due to APN not supported in a given TAI	This counter increments when default bearer activation is rejected on MME due to APN not supported	Per MME Service	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-inv-pti	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 81: Invalid PTI value.	Increments when a PDN Connectivity Reject message is sent with cause Invalid PTI value.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-auth-failed	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 29: User Authentication failed.	Increments when a PDN Connectivity Reject message is sent with cause User Authentication failed.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 32: Service Option Not Supported.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Not Supported.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 33: Service Option Not Subscribed.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Not Subscribed.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-pgw-rej	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 30: Rejected By SGW or PGW.	Increments when a PDN Connectivity Reject message is sent with cause Rejected By SGW or PGW.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-opr-determined-barring	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI with cause code 8: Operator Determined Barring.	Increments when a PDN Connectivity Reject message is sent with cause Operator Determined Barring.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-insuff-resources	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI with cause code 26: Insufficient Resources.	Increments when a PDN Connectivity Reject message is sent with cause Insufficient Resources.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-activation-reject	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI with cause code 31: Request rejected, unspecified.	Increments when a PDN Connectivity Reject message is sent with cause Request rejected, unspecified.	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esm-msgtx-pdncon-rej-svc-temp-out-of-order	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent with cause code 34: Service Option Temporarily Out of Order.	Increments when a PDN Connectivity Reject message is sent with cause Service Option Temporarily Out of Order.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-protocol-errors	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI with any of the following Protocol Error cause codes: 95-101, or 111.	Increments when a PDN Connectivity Reject message is sent with cause codes of 95101, or 111.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-apn-restrict-incompatible	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI with cause code 112: APN Restriction Value Incompatible with Active EPS Bearer Content.	Increments when a PDN Connectivity Reject message is sent with cause APN Restriction Value Incompatible with Active EPS Bearer Content.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-pdn-type_ipv4_only	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 50: PDN-Type IPv4 Allowed.	Increments when a PDN Connectivity Reject message is sent with cause PDN-Type IPv4 Allowed.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-pdn-type_ipv6_only	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 51: PDN-Type IPv6 Allowed.	Increments when a PDN Connectivity Reject message is sent with cause PDN-Type IPv6 Allowed.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-other-reasons	INT32	Incremental	active	Total number of ESM messages sent per TAI by the MME indicating that the PDN connection has been rejected for a cause other than one of those listed in the output generated by the 'show mme-service statistics esm-only' command	This type of message is sent per TAI when a PDN connection is rejected due to causes other than those mentioned under the already existing PDN Connectivity Reject section of the output generated by the 'show mme-service statistics esm-only' command	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdndiscon-rej	INT32	Incremental	active	The total number of PDN Disconnect Reject ESM control messages sent per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdndiscon-rej-pti-inuse	INT32	Incremental	active	The total number per TAI of PDN Disconnect Reject ESM control messages sent due to PTI already in use.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdndiscon-rej-lastpdn	INT32	Incremental	active	The total number per TAI of PDN Disconnect Reject ESM control messages sent due to last PDN disconnection.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdndiscon-rej-inv-pti	INT32	Incremental	active	The total number per TAI of PDN Disconnect Reject ESM control messages sent due to invalid PTI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdndiscon-rej-inv-brrid	INT32	Incremental	active	The total number per TAI of PDN Disconnect Reject ESM control messages sent due to invalid bearer ID.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-ded-brr-accept	INT32	Incremental	active	The total number of Activate Dedicated Bearer Accept ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-ded-brr-reject	INT32	Incremental	active	The total number of Activate Dedicated Bearer Reject ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-dflt-brr-accept	INT32	Incremental	active	The total number of Activate Default Bearer Accept ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-dflt-brr-reject	INT32	Incremental	active	The total number of Activate Default Bearer Reject ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-deactivate-brr-accept	INT32	Incremental	active	The total number of Deactivate Bearer Accept ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-brr-rsrc-alloc-req	INT32	Incremental	active	The total number of Bearer Resource Allocation Request ESM control messages received per TAI.	Not Defined	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esm-msgrx-brr-rsrc-modify-req	INT32	Incremental	active	The total number of Bearer Resource Modification Request ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-esm-info-resp	INT32	Incremental	active	The total number of ESM information type ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-em-status	INT32	Incremental	active	The total number of ESM status type ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-mod-brr-accept	INT32	Incremental	active	The total number of Modify Bearer Context Accept ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-mod-brr-reject	INT32	Incremental	active	The total number of Modify Bearer Context Reject ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-pdn-con-req	INT32	Incremental	active	The total number of PDN Connectivity Request ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esm-msgrx-pdn-discon-req	INT32	Incremental	active	The total number of PDN Disconnect Request ESM control messages received per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-emergency-pdn-connect-attempted	INT32	Incremental	active	The total number of ESM UE-initiated emergency sessions attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-emergency-pdn-connect-success	INT32	Incremental	active	The total number of successful ESM UE-initiated emergency sessions per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-emergency-pdn-connect-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated emergency sessions per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-attempt	INT32	Incremental	active	The total number of PDN connection EPS Session Management events attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-success	INT32	Incremental	active	The total number of successful PDN connection EPS Session Management events per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-failure	INT32	Incremental	active	The total number of failed PDN connection EPS Session Management events per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv4-attempt	INT32	Incremental	active	The total number of EPS Session Management events, of type IPv4 PDN connection, attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv4-success	INT32	Incremental	active	The total number of successful EPS Session Management events, of type IPv4 PDN connection, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv4-failure	INT32	Incremental	active	The total number of failed EPS Session Management events, of type IPv4 PDN connection, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv6-attempt	INT32	Incremental	active	The total number of EPS Session Management events, of type IPv6 PDN connection, attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv6-success	INT32	Incremental	active	The total number of successful EPS Session Management events, of type IPv6 PDN connection, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-pdncon-ipv6-failure	INT32	Incremental	active	The total number of failed EPS Session Management events, of type IPv6 PDN connection, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-dcnr-user-pdncon-attempt	INT32	Incremental	active	The total number of DCNR User PDN connection EPS Session Management events attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-dcnr-user-pdncon-success	INT32	Incremental	active	The total number of successful DCNR User PDN connection EPS Session Management events per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-dcnr-user-pdncon-failure	INT32	Incremental	active	The total number of failed DCNR User PDN connection EPS Session Management events per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-pdn-disconnect-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated PDN disconnects attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-pdn-disconnect-ue-success	INT32	Incremental	active	The total number of successful ESM UE-initiated PDN disconnects per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-pdn-disconnect-ue-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated PDN disconnects per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-defbearact-attempt	INT32	Incremental	active	The total number of attempted EPS Session Management events, of type default bearer activation, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-esmevent-defbearact-success	INT32	Incremental	active	The total number of successful EPS Session Management events, of type default bearer activation, per TAI.	Not Defined	Per TAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-tai	tai-esmevent-defbearact-failure	INT32	Incremental	active	The total number of failed EPS Session Management events, of type default bearer activation, per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-nw-attempted	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-nw-success	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer successful activations - per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-nw-failures	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activation failures - per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-ue-success	INT32	Incremental	active	The total number of successful ESM UE-initiated dedicated bearer activations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dedi-brr-activation-ue-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated dedicated bearer activations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-ded-brr-deactivation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer deactivations attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-ded-brr-deactivation-ue-success	INT32	Incremental	active	The total number of successful ESM UE-initiated dedicated bearer deactivations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-ded-brr-deactivation-ue-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated dedicated bearer deactivations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dflt-brr-deactivation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated default bearer deactivations attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dflt-brr-deactivation-ue-success	INT32	Incremental	active	The total number of successful ESM UE-initiated default bearer deactivations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-dflt-brr-deactivation-ue-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated default bearer deactivations per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-brr-modification-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated bearer modifications attempted per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-brr-modification-ue-success	INT32	Incremental	active	The total number of successful ESM UE-initiated bearer modifications per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-brr-modification-ue-failures	INT32	Incremental	active	The total number of failed ESM UE-initiated bearer modifications per TAI.	Not Defined	Per TAI	Standard
mme-tai	tai-sess-call-attached	INT32	Gauge	active	The current total number of calls in attached per tai.	Increments for any UE in ECM-CONNECTED or ECM-IDLE state.	Per TAI	Standard
mme-tai	tai-sess-call-connected	INT32	Gauge	active	The current total number of calls in connected state per tai.	Increments for any UE in ECM-CONNECTED state.	Per TAI	Standard
mme-tai	tai-sess-call-idle	INT32	Gauge	active	The current total number of calls in idle state.	Increments for any UE in ECM-IDLE state.	Per TAI	Standard
mme-tai	tai-emmcall-attach-currcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics per TAI - attached calls - current calls.	Not Defined	Per TAI	Standard
mme-tai	tai-emmcall-connect-curcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics per TAI - connected calls - current calls.	Not Defined	Per TAI	Standard
mme-tai	tai-emmcall-idle-curcall	INT32	Gauge	active	The total number of EPS Mobility Management call-line statistics per TAI - idle calls - current calls.	Not Defined	Per TAI	Standard
mme-tai	tai-emm-msgtx-attach-rej-38network-fail	INT32	Incremental	active	Total number of Attach reject messages sent with emm_cause ESM_FAILURE and PDN_CONNECTIVITY_REJECT with cause code 38: Network Failure.	Increments when Attach Reject message is sent with PDN_CONNECTIVITY_REJECT cause code 38 Network Failure.	Per TAI	Standard
mme-tai	tai-esm-msgtx-pdncon-rej-38network-fail	INT32	Incremental	active	The total number of ESM PDN Connectivity Reject messages sent per TAI, with the cause code 38: Network Failure.	Increments when a PDN Connectivity Reject message is sent with cause 38 Network Failure.	Per TAI	Standard
lcs	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lcs	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the LCS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
lcs	servname	STRING	Primary-key	active	The name of the LCS service for which these statistics are being displayed.	Configuration	Per LCS Service	Standard
lcs	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per LCS Service	Standard
lcs	msg-psl-req	INT32	Incremental	active	The total number of Provide Subscriber Location Request messages received.	Not Defined	Per LCS Service	Standard
lcs	msg-psl-req-drop	INT32	Incremental	active	The total number of Provide Subscriber Location Request messages dropped.	Not Defined	Per LCS Service	Standard
lcs	msg-psl-ans	INT32	Incremental	active	The total number of Provide Subscriber Location Answer messages sent.	Not Defined	Per LCS Service	Standard
lcs	msg-psl-ans-drop	INT32	Incremental	active	The total number of Provide Subscriber Location Answer messages dropped.	Not Defined	Per LCS Service	Standard
lcs	msg-lr-req	INT32	Incremental	active	The total number of Network Induced Location Request (NI-LR) request messages initiated by the MME.	This counter increments when the MME initiates an NI-LR.	Per LCS Service	Standard
lcs	msg-lr-req-drop	INT32	Incremental	active	The total number of Location Request messages that were dropped (could not be sent) as a result of the peer being down.	This counter increments when the Location Request could not be sent, and was therefore dropped.	Per LCS Service	Standard
lcs	msg-lr-ans	INT32	Incremental	active	The total number of Location Request acknowledge messages received.	This counter increments when an acknowledge message is received for a Location Request request.	Per LCS Service	Standard
lcs	msg-lr-ans-drop	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
lcs	msg-lr-ans-timeout	INT32	Incremental	active	The total number of Location Request acknowledge messages expected but not received before the timer expired.	This counter increments when the Location Request answer was not received.	Per LCS Service	Standard
lcs	msgerror-user-unknown	INT32	Incremental	active	The total number of times the PLR was received for an unknown user (Error code: 5001).	Not Defined	Per LCS Service	Standard
lcs	msgerror-unauth-req-net	INT32	Incremental	active	The total number of times the requesting GMLC\\'s network was not authorized to request UE location information (Error code: 5490).	Not Defined	Per LCS Service	Standard
lcs	msgerror-unreach-user	INT32	Incremental	active	The total number of times a PLR was received for a user which could not be reached (Error code: 4221)	Not Defined	Per LCS Service	Standard
lcs	msgerror-susp-user	INT32	Incremental	active	The total number of times the PLR was received for a user who is suspended in the MME (Error code: 4222).	Not Defined	Per LCS Service	Standard
lcs	msgerror-det-user	INT32	Incremental	active	The total number of times where the PLR was received for a detached user (Error code: 4223).	Not Defined	Per LCS Service	Standard
lcs	msgerror-pos-denied	INT32	Incremental	active	The total number of times the positioning procedure was denied (Error code: 4224).	Not Defined	Per LCS Service	Standard
lcs	msgerror-pos-failed	INT32	Incremental	active	The total number of times the positioning procedure failed (Error code: 4225).	Not Defined	Per LCS Service	Standard
lcs	msgerror-unreach-lcs-client	INT32	Incremental	active	The total number of times the GLMC indicated that the LCS Client was not known or could not be reached (Error code: 4226).	Not Defined	Per LCS Service	Standard
lcs	msgerror-other-errors	INT32	Incremental	active	The total number of PLA messages received with other error result codes.	Not Defined	Per LCS Service	Standard
scef	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
scef	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the LCS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
scef	servname	STRING	Primary-key	active	The name of the SCEF service for which these statistics are being displayed.	Configuration	Per SCEF Service	Standard
scef	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SCEF Service	Standard
scef	tot-active-sess	INT32	Gauge	active	The current total number of active sessions per SCEF service.	Increments/Decrements when new session established/released	Per SCEF Service	Standard
scef	tot-sess-failover	INT32	Incremental	active	The total number of session failovers.	Increments when session failover happens.	Per SCEF Service	Standard
scef	tot-sess-starts	INT32	Incremental	active	The total number of session starts.	Increments when new session start received.	Per SCEF Service	Standard
scef	tot-sess-updates	INT32	Incremental	active	The total number of session updates.	Increments when new session update received.	Per SCEF Service	Standard
scef	tot-sess-term	INT32	Incremental	active	The total number of session terminations.	Increments when session termination received.	Per SCEF Service	Standard
scef	tot-msg-rcvd	INT32	Incremental	active	The total number of messages received per SCEF service.	Increments when any new message received.	Per SCEF Service	Standard
scef	tot-msg-sent	INT32	Incremental	active	The total number of messages sent by MME per SCEF service.	Increments when new message sent out.	Per SCEF Service	Standard
scef	mo-data-req	INT32	Incremental	active	The total number of MO data request sent by the MME.	Increments when MO data request sent to SCEF.	Per SCEF Service	Standard
scef	mo-data-answer	INT32	Incremental	active	The total number of MO data answers received by MME.	Increments when MO data answer received from SCEF.	Per SCEF Service	Standard
scef	mo-data-retries	INT32	Incremental	active	The total number of MO data request retries.	Increments when when MO data request retried.	Per SCEF Service	Standard
scef	mo-data-timeout	INT32	Incremental	active	The total number of MO data request timeout happened because of SCEF not responding.	Increments when MO Data Request all retries over.	Per SCEF Service	Standard
scef	mo-data-dropped	INT32	Incremental	active	The total number of MO data requests dropped at MME.	Increments when MO data request dropped at MME.	Per SCEF Service	Standard
scef	mt-data-req	INT32	Incremental	active	The total number of MT data requests received.	Increments when MO data request received from SCEF.	Per SCEF Service	Standard
scef	mt-data-answer	INT32	Incremental	active	The total number of MT data answer sent by MME to SCEF.	Increments when MME sends MT data answer to the SCEF.	Per SCEF Service	Standard
scef	mt-data-retries	INT32	Incremental	active	The total number of MT data retries received at MME.	Increments when duplicate MT data request received at MME.	Per SCEF Service	Standard
scef	mt-data-timeout	INT32	Incremental	active	The total number of MT data time outs happened.	Increments when MT data timeout happenes.	Per SCEF Service	Standard
scef	mt-data-dropped	INT32	Incremental	active	The total number of MT data requests dropped at MME.	Increments when MT data request dropped at MME.	Per SCEF Service	Standard
scef	mt-data-req-buffered	INT32	Incremental	active	The total number of MT data requests buffered temporarily	Increments when MT data request received from SCEF and UE is in idle mode.	Per SCEF Service	Standard
scef	mt-data-answer-buffered	INT32	Incremental	active	The total number of MT data answer sent for buffered requests	Increments when MT data answer is sent to SCEF for a buffered MT data request.	Per SCEF Service	Standard
scef	mt-data-buffered-dropped	INT32	Incremental	active	The total number of buffered MT data answer dropped at MME	Increments when MT data answer for a buffered MT data request is droppped at MME.	Per SCEF Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
scef	config-info-req	INT32	Incremental	active	The total number of Configuration Information Requests received at MME.	Increments when new Configuration Information Request received at MME.	Per SCEF Service	Standard
scef	config-info-answer	INT32	Incremental	active	The total number of Configuration Information Answer sent by MME.	Increments when new Configuration Information Answer sent by MME.	Per SCEF Service	Standard
scef	config-info-retries	INT32	Incremental	active	The total number of duplicate Configuration Information Requests received at MME.	Increments when duplicate Configuration Information Requests received at MME.	Per SCEF Service	Standard
scef	config-info-timeout	INT32	Incremental	active	The total number of Configuration Information Request timeout happened.	Increments when Configuration Information Request timeout happens.	Per SCEF Service	Standard
scef	config-info-dropped	INT32	Incremental	active	The total number of Configuration Information Requests dropped.	Increments when Configuration Information Request is dropped.	Per SCEF Service	Standard
scef	report-info-req	INT32	Incremental	active	The total number of Report Information Requests sent by MME to SCEF.	Increments when new Report Information Request sent to SCEF.	Per SCEF Service	Standard
scef	report-info-answer	INT32	Incremental	active	The total number of Report Information Answer recieved by MME.	Increments when new Report Information Answer recieved by MME.	Per SCEF Service	Standard
scef	report-info-retries	INT32	Incremental	active	The total number of Report Information Requests retries sent by MME.	Increments when Report Information Request retry happens.	Per SCEF Service	Standard
scef	report-info-timeout	INT32	Incremental	active	The total number of Report Information Requests timed out.	Increments when Report Information Request timeout happens.	Per SCEF Service	Standard
scef	report-info-dropped	INT32	Incremental	active	The total number of Report Information Requests dropped.	Increments when Report Information Request is dropped.	Per SCEF Service	Standard
scef	conn-mgmt-est-req	INT32	Incremental	active	The total number of Connection-Management-Requests sent by MME for the connection action establishment.	Increments when new Connection-Management-Request is sent for the connection action establishment.	Per SCEF Service	Standard
scef	conn-mgmt-est-answer	INT32	Incremental	active	The total number of Connection-Management-Answers received for the connection action establishment.	Increments when Connection-Management-Answer received for the connection action establishment.	Per SCEF Service	Standard
scef	conn-mgmt-est-retries	INT32	Incremental	active	The total number of Connection-Management-Request retry happened for the connection action establishment.	Increments when Connection-Management-Request is retried for the connection action establishment.	Per SCEF Service	Standard
scef	conn-mgmt-est-answer-timeout	INT32	Incremental	active	The total number of Connection-Management-Answer timeouts for the connection action establishment.	Increments when Connection-Management-Answer timeout happens for the connection action establishment.	Per SCEF Service	Standard
scef	conn-mgmt-est-answer-dropped	INT32	Incremental	active	The total number of Connection-Management-Answers dropped for the connection action establishment.	Increments when Connection-Management-Answer dropped for the connection action establishment.	Per SCEF Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
scef	conn-mgmt-rel-req	INT32	Incremental	active	The total number of Connection-Management-Requests sent by MME for the connection action release.	Increments when new Connection-Management-Request is sent for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-rel-answer	INT32	Incremental	active	The total number of Connection-Management-Answers received for the connection action release.	Increments when Connection-Management-Answer received for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-rel-retries	INT32	Incremental	active	The total number of Connection-Management-Request retry happened for the connection action release.	Increments when Connection-Management-Request is retried for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-rel-answer-timeout	INT32	Incremental	active	The total number of Connection-Management-Answer timeouts for the connection action release.	Increments when Connection-Management-Answer timeout happens for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-rel-answer-dropped	INT32	Incremental	active	The total number of Connection-Management-Answers dropped for the connection action release.	Increments when Connection-Management-Answer dropped for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-update-req	INT32	Incremental	active	The total number of Connection-Management-Requests sent by MME for the connection action update.	Increments when new Connection-Management-Request is sent for the connection action update..	Per SCEF Service	Standard
scef	conn-mgmt-update-answer	INT32	Incremental	active	The total number of Connection-Management-Answers received for the connection action update.	Increments when Connection-Management-Answer received for the connection action update.	Per SCEF Service	Standard
scef	conn-mgmt-update-retries	INT32	Incremental	active	The total number of of Connection-Management-Request retry happened for the connection action update.	Increments when Connection-Management-Request is retried for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-update-answer-timeout	INT32	Incremental	active	The total number of Connection-Management-Answer timeouts for the connection action release.	Increments when Connection-Management-Answer timeout happens for the connection action release.	Per SCEF Service	Standard
scef	conn-mgmt-update-answer-dropped	INT32	Incremental	active	The total number of Connection-Management-Answers dropped for the connection action release.	Increments when Connection-Management-Answer dropped for the connection action release.	Per SCEF Service	Standard
scef	msg-error-other	INT32	Incremental	active	The total number of other result error codes received from SCEF .	Increments when other message error codes are received from SCEF.	Per SCEF Service	Standard
scef	msg-error-unable-to-comply	INT32	Incremental	active	The total number of result code diamater-unable-to-comply received from SCEF.	Increments when message error diamater-unable-to-comply received from SCEF.	Per SCEF Service	Standard
scef	msg-error-user-unknown	INT32	Incremental	active	The total number of result code user-unknown received from SCEF.	Increments when message error user-unknown received from SCEF.	Per SCEF Service	Standard
scef	msg-error-rat-not-allowed	INT32	Incremental	active	The total number of result code rat-not-allowed received from SCEF.	Increments when message error rat-not-allowed received from SCEF.	Per SCEF Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
scef	bad-answer-auth-app-id	INT32	Incremental	active	The total number of bad answers received because of error in auth-app-id.	Increments when bad answer received because of invalid auth-app-id .	Per SCEF Service	Standard
scef	bad-answer-session-id	INT32	Incremental	active	The total number of bad answers received because of invalid session id.	Increments when bad answer received because of invalid session id.	Per SCEF Service	Standard
scef	bad-answer-origin-host	INT32	Incremental	active	The total number of bad answers received because of invalid origin host.	Increments when bad answer received because of invalid origin host.	Per SCEF Service	Standard
scef	bad-answer-origin-realm	INT32	Incremental	active	The total number of bad answers received because of invalid origin realm.	Increments when bad answer received because of invalid origin realm.	Per SCEF Service	Standard
scef	bad-answer-parse-msg-err	INT32	Incremental	active	The total number of bad answers received because of msg parse error.	Increments when bad answer received because of msg parse error.	Per SCEF Service	Standard
scef	bad-answer-parse-misc-err	INT32	Incremental	active	The total number of bad answers received because of miscelaneous msg parse error.	Increments when bad answer received because of miscelaneous msg parse error.	Per SCEF Service	Standard
scef	bad-answer-answer-misc	INT32	Incremental	active	The total number of bad answers received because of miscelaneous errors.	Increments when bad answer received because of miscelaneous error.	Per SCEF Service	Standard
sls	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sls	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SLS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sls	servname	STRING	Primary-key	active	The name of the SLS service for which these statistics are being displayed.	Configuration	Per SLS Service	Standard
sls	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SLS Service	Standard
sls	sctp-transdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init chunks.	Increments when MME sends INIT Chunk to eSMLC to establish sctp connection. Note: Retransmitted INIT Chunks with same Initiate Tag do increment this counter.	Per SLS service	Standard
sls	sctp-transdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init acknowledge chunks.	Increments when MME sends INIT ACK Chunk to eSMLC to acknowledge the INIT Chunk sent by eSMLC earlier to establish sctp association.	Per LCS Service	Standard
sls	sctp-transdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown chunks.	Increments when MME sends shutdown chunk to terminate the sctp connection with eSMLC.	Per SLS service	Standard
sls	sctp-transdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown acknowledge chunks.	Increments when MME sends SHUTDOWN ACK Chunk to acknowledge the receipt of SHUTDOWN Chunk from eSMLC.	Per SLS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sls	sctp-transdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie chunks.	Increments when MME sends COOKIE ECHO Chunk to eSMLC during the initialization of sctp association.	Per LCS Service	Standard
sls	sctp-transdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie acknowledge chunks.	Increments when MME sends COOKIE ACK Chunk to eSMLC to acknowledge the receipt of a COOKIE ECHO chunk which eSMLC has sent earlier.	Per SLS service	Standard
sls	sctp-transdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data chunks.	Increments when MME sends DATA Chunk to eSMLC containing the application layer payload.	Per SLS service	Standard
sls	sctp-transdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data acknowledge chunks.	Increments when MME sends SACK Chunk to eSMLC to acknowledge received DATA chunks.	Per SLS service	Standard
sls	sctp-transdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown complete chunks.	Increments when MME sends SHUTDOWN COMPLETE Chunk to eSMLC to acknowledge the receipt of the SHUTDOWN ACK chunk at the completion of the shutdown process.	Per SLS service	Standard
sls	sctp-transdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat chunks.	Increments when MME sends HEARTBEAT Chunk to eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per SLS service	Standard
sls	sctp-transdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat acknowledge chunks.	Increments when MME sends HEARTBEAT ACK chunk to eSMLC as a response to a HEARTBEAT chunk.	Per SLS service	Standard
sls	sctp-transdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - abort chunks.	Increments when MME sends ABORT Chunk to eSMLC to close the existing association.	Per SLS service	Standard
sls	sctp-transdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - error chunks.	Increments when MME sends ERROR Chunk to eSMLC to notify it of certain error conditions.	Per SLS service	Standard
sls	sctp-recdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init chunks.	Increments when MME Receives INIT Chunk from eSMLC when eSMLC wants to initiate an SCTP association.	Per SLS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sls	sctp-recdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init acknowledge chunks.	Increments when MME receives INIT ACK Chunk from eSMLC acknowledging the initiation of an SCTP association by MME.	Per SLS service	Standard
sls	sctp-recdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown chunks.	Increments when MME receives SHUTDOWN Chunk from eSMLC.	Per SLS service	Standard
sls	sctp-recdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown acknowledge chunks.	Increments when MME receives SHUTDOWN ACK Chunk from eSMLC acknowledging the SHUTDOWN Chunk sent by MME previously.	Per SLS service	Standard
sls	sctp-recdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie chunks.	Increments when MME receives COOKIE ECHO Chunk from eSMLC which has initiated the sctp association.	Per SLS service	Standard
sls	sctp-recdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie acknowledge chunks.	Increments when MME receives COOKIE ACK Chunk from eSMLC acknowledging the COOKIE ECHO Chunk sent by MME previously.	Per SLS service	Standard
sls	sctp-recdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data chunks.	Increments when MME receives DATA Chunk from eSMLC containing the application layer payload data.	Per SLS service	Standard
sls	sctp-recdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data acknowledge chunks.	Increments when MME receives SACK Chunk from eSMLC for the DATA Chunk which MME has already sent.	Per SLS service	Standard
sls	sctp-recdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown complete chunks.	Increments when MME receives SHUTDOWN COMPLETE Chunk from the eSMLC acknowledging the SHUTDOWN ACK Chunk which MME has already sent.	Per SLS service	Standard
sls	sctp-recdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat chunks.	Increments when MME receives HEART BEAT Chunk from eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per SLS service	Standard
sls	sctp-recdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat acknowledge chunks.	Increments when MME receives HEARTBEAT ACK Chunk from eSMLC acknowledging the HEARTBEAT Chunk which MME has sent earlier.	Per SLS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sls	sctp-recdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - abort chunks.	Increments when MME receives ABORT Chunk from eSMLC closing the association.	Per SLS service	Standard
sls	sctp-recdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - error chunks.	Increments when MME receives ERROR Chunk from eSMLC to notify MME of certain error conditions.	Per SLS service	Standard
sls	sctp-retransdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - init chunks.	Increments when MME retransmits INIT Chunk to eSMLC.	Per SLS service	Standard
sls	sctp-retransdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown chunks.	Increments when MME retransmits SHUTDOWN Chunk to eSMLC.	Per SLS service	Standard
sls	sctp-retransdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown acknowledge chunks.	Increments when MME retransmits SHUTDOWN ACK Chunk to eSMLC.	Per SLS service	Standard
sls	sctp-retransdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie chunks.	Increments when MME retransmits COOKIE ECHO Chunk to eSMLC.	Per SLS service	Standard
sls	sctp-retransdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie acknowledge chunks.	Increments when MME retransmits DATA Chunk to eSMLC.	Per SLS service	Standard
sls	sctp-totsent-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes sent to lower layer.	Increments when SLs Application layer DATA is transmitted to eSMLC in terms of number of bytes.	Per SLS service	Standard
sls	sctp-totrec-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes received from lower layer.	Increments when SLs Application layer DATA is received at MME from eSMLC in terms of number of bytes.	Per SLS service	Standard
sls	sctp-totsent-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets sent to lower layer.	Increments when MME sends DATA Chunks to eSMLC.	Per SLS service	Standard
sls	sctp-totrec-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets received from lower layer.	Increments when MME receives DATA chunks from eSMLC.	Per SLS service	Standard
sls	slsap-transdata-reset	INT32	Incremental	active	The total number of SLS Application Protocol - Reset messages transmitted.	Increments when RESET message is sent from MME to eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-transdata-resetack	INT32	Incremental	active	The total number of SLS Application Protocol - Reset acknowledgements transmitted.	Increments when RESET ACK is sent from MME to eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-transdata-loc-req	INT32	Incremental	active	The total number of SLS Application Protocol - Location Request messages transmitted.	Increments when LOCATION REQUEST message is sent from MME to eSMLC during location procedure.	Per SLS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sls	slsap-transdata-loc-abort	INT32	Incremental	active	The total number of SLS Application Protocol - Location Abort messages transmitted.	Increments when LOCATION ABORT message is sent from MME to eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-transdata-conn-info	INT32	Incremental	active	The total number of SLS Application Protocol - Connection oriented information messages transmitted.	Increments when CONNECTION ORIENTED INFORMATION TRANSFER message is sent from MME to eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-transdata-nonconn-info	INT32	Incremental	active	The total number of SLS Application Protocol - Non Connection oriented information messages transmitted.	Increments when CONNECTION LESS INFORMATION TRANSFER message is sent from MME to eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-recvdata-reset	INT32	Incremental	active	The total number of SLS Application Protocol - Reset Requests received.	Increments when RESET message is received at MME from eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-recvdata-resetack	INT32	Incremental	active	The total number of SLS Application Protocol - Reset Acknowledgements received.	Increments when RESET ACK is received at MME from eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-recvdata-loc-resp	INT32	Incremental	active	The total number of SLS Application Protocol - Location Responses received.	Increments when LOCATION RESPONSE message is received at MME from eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-recvdata-conn-info	INT32	Incremental	active	The total number of SLS Application Protocol - Connection oriented information messages received.	Increments when CONNECTION ORIENTED INFORMATION TRANSFER message is received at MME from eSMLC during location procedure.	Per SLS service	Standard
sls	slsap-recvdata-nonconn-info	INT32	Incremental	active	The total number of SLS Application Protocol - Non Connection oriented information messages received.	Increments when CONNECTION LESS INFORMATION TRANSFER message is received at MME from eSMLC during location procedure.	Per SLS service	Standard
sbc	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sbc	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SBC service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sbc	servname	STRING	Primary-key	active	The name of the SBC service for which these statistics are being displayed.	Configuration	Per SBC Service	Standard
sbc	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SBC Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sbc	sctp-transdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init chunks.	Increments when MME sends INIT Chunk to eSMLC to establish sctp connection. Note: Retransmitted INIT Chunks with same Initiate Tag do increment this counter.	Per SBc Service	Standard
sbc	sctp-transdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init acknowledge chunks.	Increments when MME sends INIT ACK Chunk to eSMLC to acknowledge the INIT Chunk sent by eSMLC earlier to establish sctp association.	Per SBc Service	Standard
sbc	sctp-transdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown chunks.	Increments when MME sends shutdown chunk to terminate the sctp connection with eSMLC.	Per SBc Service	Standard
sbc	sctp-transdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown acknowledge chunks.	Increments when MME sends SHUTDOWN ACK Chunk to acknowledge the receipt of SHUTDOWN Chunk from eSMLC.	Per SBc Service	Standard
sbc	sctp-transdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie chunks.	Increments when MME sends COOKIE ECHO Chunk to eSMLC during the initialization of sctp association.	Per SBc Service	Standard
sbc	sctp-transdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie acknowledge chunks.	Increments when MME sends COOKIE ACK Chunk to eSMLC to acknowledge the receipt of a COOKIE ECHO chunk which eSMLC has sent earlier.	Per SBc Service	Standard
sbc	sctp-transdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data chunks.	Increments when MME sends DATA Chunk to eSMLC containing the application layer payload.	Per SBc Service	Standard
sbc	sctp-transdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data acknowledge chunks.	Increments when MME sends SACK Chunk to eSMLC to acknowledge received DATA chunks.	Per SBc Service	Standard
sbc	sctp-transdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown complete chunks.	Increments when MME sends SHUTDOWN COMPLETE Chunk to eSMLC to acknowledge the receipt of the SHUTDOWN ACK chunk at the completion of the shutdown process.	Per SBc Service	Standard
sbc	sctp-transdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat chunks.	Increments when MME sends HEARTBEAT Chunk to eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per SBc Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sbc	sctp-transdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat acknowledge chunks.	Increments when MME sends HEARTBEAT ACK chunk to eSMLC as a response to a HEARTBEAT chunk.	Per SBc Service	Standard
sbc	sctp-transdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - abort chunks.	Increments when MME sends ABORT Chunk to eSMLC to close the existing association.	Per SBc Service	Standard
sbc	sctp-transdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - error chunks.	Increments when MME sends ERROR Chunk to eSMLC to notify it of certain error conditions.	Per SBc Service	Standard
sbc	sctp-recdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init chunks.	Increments when MME Receives INIT Chunk from eSMLC when eSMLC wants to initiate an SCTP association.	Per SBc Service	Standard
sbc	sctp-recdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init acknowledge chunks.	Increments when MME receives INIT ACK Chunk from eSMLC acknowledging the initiation of an SCTP association by MME.	Per SBc Service	Standard
sbc	sctp-recdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown chunks.	Increments when MME receives SHUTDOWN Chunk from eSMLC.	Per SBc Service	Standard
sbc	sctp-recdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown acknowledge chunks.	Increments when MME receives SHUTDOWN ACK Chunk from eSMLC acknowledging the SHUTDOWN Chunk sent by MME previously.	Per SBc Service	Standard
sbc	sctp-recdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie chunks.	Increments when MME receives COOKIE ECHO Chunk from eSMLC which has initiated the sctp association.	Per SBc Service	Standard
sbc	sctp-recdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie acknowledge chunks.	Increments when MME receives COOKIE ACK Chunk from eSMLC acknowledging the COOKIE ECHO Chunk sent by MME previously.	Per SBc Service	Standard
sbc	sctp-recdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data chunks.	Increments when MME receives DATA Chunk from eSMLC containing the application layer payload data.	Per SBc Service	Standard
sbc	sctp-recdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data acknowledge chunks.	Increments when MME receives SACK Chunk from eSMLC for the DATA Chunk which MME has already sent.	Per SBc Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sbc	sctp-recdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown complete chunks.	Increments when MME receives SHUTDOWN COMPLETE Chunk from the eSMLC acknowledging the SHUTDOWN ACK Chunk which MME has already sent.	Per SBc Service	Standard
sbc	sctp-recdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat chunks.	Increments when MME receives HEART BEAT Chunk from eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Per SBc Service	Standard
sbc	sctp-recdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat acknowledge chunks.	Increments when MME receives HEARTBEAT ACK Chunk from eSMLC acknowledging the HEARTBEAT Chunk which MME has sent earlier.	Per SBc Service	Standard
sbc	sctp-recdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - abort chunks.	Increments when MME receives ABORT Chunk from eSMLC closing the association.	Per SBc Service	Standard
sbc	sctp-recdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - error chunks.	Increments when MME receives ERROR Chunk from eSMLC to notify MME of certain error conditions.	Per SBc Service	Standard
sbc	sctp-retransdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - init chunks.	Increments when MME retransmits INIT Chunk to eSMLC.	Per SBc Service	Standard
sbc	sctp-retransdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown chunks.	Increments when MME retransmits SHUTDOWN Chunk to eSMLC.	Per SBc Service	Standard
sbc	sctp-retransdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown acknowledge chunks.	Increments when MME retransmits SHUTDOWN ACK Chunk to eSMLC.	Per SBc Service	Standard
sbc	sctp-retransdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie chunks.	Increments when MME retransmits COOKIE ECHO Chunk to eSMLC.	Per SBc Service	Standard
sbc	sctp-retransdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie acknowledge chunks.	Increments when MME retransmits DATA Chunk to eSMLC.	Per SBc Service	Standard
sbc	sctp-totsent-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes sent to lower layer.	Increments when SLs Application layer DATA is transmitted to eSMLC in terms of number of bytes.	Per SBc Service	Standard
sbc	sctp-totrec-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes received from lower layer.	Increments when SLs Application layer DATA is received at MME from eSMLC in terms of number of bytes.	Per SBc Service	Standard
sbc	sctp-totsent-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets sent to lower layer.	Increments when MME sends DATA Chunks to eSMLC.	Per SBc Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sbc	sctp-totrec-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets received from lower layer.	Increments when MME receives DATA chunks from eSMLC.	Per SBc Service	Standard
sbc	sbcap-recdata-wrwreq	INT32	Incremental	active	The total number of Write Replace Warning Request messages received from the CBC.	Increments when Write Replace Warning Request message without List-Of-TAIs IE is received from CBC.	Per SBc Service	Standard
sbc	sbcap-recdata-wrwreq-tailist-notprsnt	INT32	Incremental	active	The total number of Write Replace Warning Request messages without List-Of-TAIs IE received from the CBC.	Increments when Write Replace Warning Request message without List-Of-TAIs IE is received from CBC.	Per SBc Service	Standard
sbc	sbcap-recdata-stopreq	INT32	Incremental	active	The total number of Stop Warning Request messages received from the CBC.	Increments when Stop Warning Request message is received from CBC.	Per SBc Service	Standard
sbc	sbcap-recdata-stopreq-tailist-notprsnt	INT32	Incremental	active	The total number of Stop Warning Request messages without List-Of-TAIs IE received from the CBC.	Increments when Stop Warning Request message without List-Of-TAIs IE is received from CBC.	Per SBc Service	Standard
sbc	sbcap-recdata-errorind	INT32	Incremental	active	The total number of Error Indication messages received from the CBC.	Increments when Error Indication message is received from CBC.	Per SBc Service	Standard
sbc	sbcap-transdata-errorind	INT32	Incremental	active	The total number of Error Indication messages sent to the CBC.	Increments when Error Indication message is transmitted to CBC.	Per SBc Service	Standard
sbc	sbcap-transdata-wrwresp-msgaccept	INT32	Incremental	active	The total number of Write Replace Warning Response messages sent to the CBC.	Increments when Write Replace Warning Response message is transmitted to CBC.	Per SBc Service	Standard
sbc	sbcap-transdata-wrwresp-taiinvalid	INT32	Incremental	active	The total number of Write Replace Warning Response messages sent to the CBC when Tracking Area is Not Valid.	Increments when Write Replace Warning Response message is transmitted to CBC when Tracking Area is Not Valid.	Per SBc Service	Standard
sbc	sbcap-transdata-wrwresp-warn-bcast-not-oper	INT32	Incremental	active	The total number of Write Replace Warning Response messages sent to the CBC with cause: Warning Broadcast Not Operational.	Increments when Write Replace Warning Response message is transmitted to CBC with cause: Warning Broadcast Not Operational.	Per SBc Service	Standard
sbc	sbcap-transdata-wrwresp-mme-capacity-exceeded	INT32	Incremental	active	The total number of Write Replace Warning Response messages sent to the CBC with cause: MME capacity exceeded.	Increments when Write Replace Warning Response message is transmitted to CBC with cause: MME capacity exceeded.	Per SBc Service	Standard
sbc	sbcap-transdata-stopresp-msgaccept	INT32	Incremental	active	The total number of Stop Response messages sent to the CBC.	Increments when Stop Response message is transmitted to CBC.	Per SBc Service	Standard
sbc	sbcap-transdata-stopresp-taiinvalid	INT32	Incremental	active	The total number of Stop Response messages sent to the CBC when Tracking Area is Not Valid.	Increments when Stop Response message is transmitted to CBC when Tracking Area is Not Valid.	Per SBc Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sbc	sbcap-transdata-stopresp-warn-bcast-not-oper	INT32	Incremental	active	The total number of Stop Response messages sent to the CBC with cause: Warning Broadcast Not Operational.	Increments when Stop Response message is transmitted to CBC with cause: Warning Broadcast Not Operational.	Per SBc Service	Standard
sbc	sbcap-transdata-stopresp-mme-capacity-exceeded	INT32	Incremental	active	The total number of Stop Response messages sent to the CBC with cause: MME capacity exceeded.	Increments when Stop Response message is transmitted to CBC with cause: MME capacity exceeded.	Per SBc Service	Standard
sbc	sbcap-err-tfr-synerr	INT32	Incremental	active	The total number of messages encountered with a Transfer Syntax Error.	Increments when message received from CBC is incomplete.	Per SBc Service	Standard
sbc	sbcap-err-semanticerr	INT32	Incremental	active	The total number of messages encountered with a Semantic Error.	Increments when message received from CBC has semantic error.	Per SBc Service	Standard
sbc	sbcap-err-msgnotcompatible	INT32	Incremental	active	The total number of messages encountered with error: Message Not Compatible.	Increments when message received from CBC is not a Write Replace Warning or Stop Warning Response.	Per SBc Service	Standard
sbc	sbcap-err-aserej	INT32	Incremental	active	The total number of messages encountered with Abstract Syntax Error with Criticality: Reject.	Increments when message received from CBC has IE which could not be decoded properly due to syntax error and IE is marked with criticality reject.	Per SBc Service	Standard
sbc	sbcap-err-aseignore-notify	INT32	Incremental	active	The total number of messages encountered with Abstract Syntax Error with Criticality: Ignore And Notify.	Increments when message received from CBC has IE which could not be decoded properly due to syntax error and IE is marked with criticality Ignore and Notify.	Per SBc Service	Standard
sbc	sbcap-err-asefalsely-constrmsg	INT32	Incremental	active	The total number of messages encountered with Abstract Syntax Error: Falsely Constructed message.	Increments when message received from CBC has IEs not in order.	Per SBc Service	Standard
sbc	sbcap-err-aseignore	INT32	Incremental	active	Not Defined	Not Defined	Per SBc Service	Standard
sbc	sbcap-unknown-proc	INT32	Incremental	active	Not Defined	Not Defined	Per SBc Service	Standard
sbc	sbcap-unknown-ie	INT32	Incremental	active	Not Defined	Not Defined	Per SBc Service	Standard
sbc	sbcap-missing-ie	INT32	Incremental	active	Not Defined	Not Defined	Per SBc Service	Standard
sbc	sbcap-unknown-messages	INT32	Incremental	active	Not Defined	Not Defined	Per SBc Service	Standard
sbc	sbcap-cbc-assoc	INT32	Incremental	active	The total number of CBC associations created.	Increments on each SCTP association creation with CBC.	Per SBc Service	Standard
s102	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
s102	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the S102 service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
s102	servname	STRING	Primary-key	active	The name of the S102 service for which these statistics are being displayed.	Configuration	Per S102 Service	Standard
s102	servid	INT32	Primary-key	active	The identification number of the S102 service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per S102 Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
s102	s102ap-tx-a21-air-signal-msg	INT32	Incremental	active	Total number of A21 Air Interface Signalling messages, transmitted from the MME to the IWS/MSC, in response to having received an Uplink CDMA2000 message from the eNB	Registration, paging, and mobile-originated / mobile-terminated SMS procedures trigger the MME to send this type of signalling message	Per S102 Service	Standard
s102	s102ap-tx-a21-ack-msg	INT32	Incremental	active	Total number of A21 Air Interface ACK messages transmitted by the MME to the IWS/MSC to acknowledge receipt of an A21 message	When MSC sends an A21 air interface signalling message, with ACK request included, to the MME during procedures such as registration, paging, MO/MT-SMS requests	Per S102 Service	Standard
s102	s102ap-tx-a21-evt-ntfy-msg	INT32	Incremental	active	Total number of A21 Event Notification messages sent by the MME to the peer 1xCS IWE to notify the IWS/MSC of a specific event	S102 tunnel redirection during MME relocation triggers the sending of this notification message	Per S102 Service	Standard
s102	s102ap-tx-unknown-msg	INT32	Incremental	active	Currently, this counter is not pegged but is available for future development	Not Applicable	Not Applicable	Standard
s102	s102ap-retx-a21-air-signal-msg	INT32	Incremental	active	Currently, this counter is not pegged but is available for future development	Not Applicable	Not Applicable	Standard
s102	s102ap-retx-a21-ack-msg	INT32	Incremental	active	Currently, this counter is not pegged but is available for future development	Not Applicable	Not Applicable	Standard
s102	s102ap-retx-a21-evt-ntfy-msg	INT32	Incremental	active	Currently, this counter is not pegged but is available for future development	Not Applicable	Not Applicable	Standard
s102	s102ap-retx-unknown-msg	INT32	Incremental	active	Currently, this counter is not pegged but is available for future development	Not Applicable	Not Applicable	Standard
s102	s102ap-rx-a21-air-signal-msg	INT32	Incremental	active	Total number of A21 Air Interface Signalling messages sent from the MSC and received by the MME	Registration, paging, MT/MO-call and MT/MO-SMS procedures trigger the MSC to send this type of signalling message to the MME	Per S102 Service	Standard
s102	s102ap-rx-a21-ack-msg	INT32	Incremental	active	Total number of A21 Air Interface ACK messages sent from the MSC and received by the MME	Registration, paging, MT/MO-call and MT/MO-SMS procedures trigger the MSC to send this type of signalling message to the MME	Per S102 Service	Standard
s102	s102ap-rx-a21-evt-ntfy-msg	INT32	Incremental	active	Total number of A21 Event Notification messages sent from the MSC and received by the MME	S102 tunnel redirection during MME relocation triggers the MSC to send this notification message	Per S102 Service	Standard
s102	s102ap-rx-unknown-msg	INT32	Incremental	active	Total number of A21 messages sent in error. Messages other than A21 Air Interface Signaling, A21 ACK, A21 Event Notification messages sent from the MSC and received by the MME	Any procedure can trigger the MSC to send an incorrect message	Per S102 Service	Standard
s102	s102ap-encode-errors	INT32	Incremental	active	Total number of A21 Air Interface messages that the MME attempts to send to the MSC but the message includes encoding errors so it is not sent but it is dropped	When MME is trying to send message but there is an error in the uplink CDMA2000 message	Per S102 Service	Standard
s102	s102ap-missing-mandatory-ies	INT32	Incremental	active	Total number of A21 signalling messages received by the MME that are missing a mandatory IE	MSC did not include mandatory IE in the message due to a fault at the MSC	Per S102 Service	Standard
s102	s102ap-corelation-mismatch	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
s102	s102ap-correlation-mismatch	INT32	Incremental	active	Total number of times the MME has received A21 ACK messages that do not include correct correlation IDs for matches with the A21 messages sent by the MME	Misbehaving MSC, e.g., not correctly copying the correlation ID and sending incorrect ID to the MME	Per S102 Service	Standard
s102	s102ap-decode-errors	INT32	Incremental	active	Total number of times the MME has received faulty A21 messages that incorporate encoding errors	MSC sending faulty messages, e.g., IEs are incorrectly encoded or coded total message length is mismatching total actual message length	Per S102 Service	Standard
s102	s102ap-syntax-errors	INT32	Incremental	active	Total number of A21 messages received by the MME that incorporated syntax errors	Misbehaving MSC sending message type that is different than expected	Not Defined	Standard
s102	s102ap-misc-errors	INT32	Incremental	active	Total number of A21 messages received by the MME that incorporate any one of various miscellaneous errors, such as the configured MSC is not found so the A21 message is not sent to the MSC	Misbehaving MSC has sent a message with errors other than those handled in the other error message types for encoding, missing manadatory IEs, correlation ID mismatch, decoding, or syntax	Not Defined	Standard
mme-embms	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the MME EMBMS service processing the subscriber's session	Not Applicable	Not Defined	Proprietary
mme-embms	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MME EMBMS service processing subscriber's session.This is an internal reference number.	Not Applicable	Not Defined	Proprietary
mme-embms	servname	STRING	Primary-key	active	The name of the mme-embms service for which these statistics are being displayed.	Not Applicable	Not Defined	Proprietary
mme-embms	servid	INT32	Primary-key	active	The identification number of the mme-embms service for which these statistics are being displayed. This is an internal reference number.	Not Applicable	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-m3setup-req	INT32	Incremental	active	Total number of M3 Setup Requests received by the MME from any MCE on the M3 interface.	M3 Setup Request sent by the MCE to MME to exchange application level data needed for the MCE and MME to correctly interoperate on the M3 interface.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-mce-config-upd	INT32	Incremental	active	Total number of MCE Configuration Updates received by the MME from any MCE on the M3 interface.	MCE Configuration Update sent by the MCE to MME to update application level configuration data needed for the MCE and MME to interoperate correctly on the M3 interface.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-mbms-sess-start-rsp	INT32	Incremental	active	Total number of MBMS Session Start Responses received by the MME from any MCE on the M3 interface.	MBMS Session Start Response sent by the MCE to MME when it successfully handles the request from the MBMS SESSION START message.	Not Defined	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-embms	mme-embms-m3ap-recdata-mbms-sess-start-rsp-fail	INT32	Incremental	active	Total number of MBMS Session Start Failure messages received by the MME from any MCE on the M3 interface.	Message sent by MCE to report the unsuccessful outcome of the request from the MBMS SESSION START message.\nIt could happen when EUTRAN is not able to accommodate the requested configuration or resource for any MBSFN area of the requested service area.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-mbms-sess-upd-rsp	INT32	Incremental	active	Total number of MBMS Session Update Responses received by the MME from any MCE on the M3 interface.	MBMS Session Update Response sent by the MCE to report the successful outcome of the request from the MBMS SESSION UPDATE REQUEST message.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-mbms-sess-upd-rsp-fail	INT32	Incremental	active	Total number of MBMS Session Update Failures received by the MME from any MCE on the M3 interface.	Message sent by the MCE to report the unsuccessful outcome of the request from the MBMS SESSION UPDATE REQUEST message.\nIt could happen when EUTRAN is not able to accommodate the requested configuration or resource for any MBSFN area of the requested service area.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-mbms-sess-stop-rsp	INT32	Incremental	active	Total number of MBMS Session Stop Responses received by the MME from any MCE on the M3 interface.	MBMS Session Stop Response sent by the MCE to acknowledge the MBMS SESSION STOP message.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-reset	INT32	Incremental	active	Total number of Resets received by the MME from any MCE on the M3 interface.	Reset Request sent by the MCE to request that the M3 interface, or parts of the M3 interface, to be reset.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-reset-ack	INT32	Incremental	active	Total number of Reset Acknowledge messages received by the MME from any MCE on the M3 interface.	Reset Acknowledge sent by the MCE as a response to a RESET message.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-recdata-err-ind	INT32	Incremental	active	Total number of Error Indication messages received by the MME from any MCE on the M3 interface.	Error Indication sent by any MCE to indicate that some error has been detected in the node.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-m3setup-rsp	INT32	Incremental	active	Total number of M3 Setup Response messages transmitted by the MME to any MCE on the M3 interface	Messaging triggered when M3 Setup Request is sent to MME by any MCE.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-m3setup-rsp-fail	INT32	Incremental	active	Total number of M3 Setup Failure transmitted by the MME to any MCE on the M3 interface.	Messaging triggered when MME can not support M3 setup for a reason such as MME does not support the PLMN of the MCE.	Not Defined	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-embms	mme-embms-m3ap-transdata-mce-config-upd-ack	INT32	Incremental	active	Total number of MCE Configuration Update Acknowledge messages transmitted by MME to any MCE on M3 interface.	Message sent by MME to MCE to acknowledge the MCE updated information for a TNL association.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-mce-config-upd-ack-fail	INT32	Incremental	active	Total number of MCE Configuration Update Failure messages transmitted by MME to any MCE on M3 interface.	Message sent by the MME to MCE to indicate MCE configuration failure.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-mbms-sess-start-req	INT32	Incremental	active	Total number of MBMS Session Start Request messages transmitted by MME to any MCE on M3 interface.	Message sent by the MME to MCE to establish an MBMS E-RAB and an M3AP signalling connection.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-mbms-sess-upd-req	INT32	Incremental	active	Total number of MBMS Session Update Request messages transmitted by MME to any MCE on M3 interface.	Message sent by the MME to inform the MCE of the changed characteristics of an ongoing MBMS service session.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-mbms-sess-stop-req	INT32	Incremental	active	Total number of MBMS Session Stop Request messages transmitted by MME to any MCE on M3 interface.	Message sent by the MME to MCE to release the corresponding MBMS E-RAB and the MBMS service associated logical M3 connection.MBMS SESSION STOP MESSAGE is received from MBMS GW and MME sends the same to relevant MCEs.It is an indication that this session is over.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-reset	INT32	Incremental	active	Total number of Reset messages transmitted by the MME to any MCE on the M3 interface.	Messaging triggered when one of the following occurs: \n1. Reset is transmitted to any MCE from MME if CLI issued - 'clear subscribers mme-embms-only all'\n2. There is a duplicate Session Start Request for an existing session from MBMS GW.\n3. There is any internal audit failure between MMEMGR and SESSMGR.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-transdata-reset-ack	INT32	Incremental	active	Total number of Reset Acknowledge messages transmitted by MME to any MCE on M3 interface.	Message sent by MME as a response to a RESET message.	Not Defined	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-embms	mme-embms-m3ap-transdata-err-ind	INT32	Incremental	active	Total number of Error Indication messages transmitted by the MME to any MCE on the M3 interface.	Messaging triggered when one of the following occurs:\n1. Any message (for example: Session Start Response or Session Update Response) from MCE comes with an unknown mme-mbms-id.\n2. Any message (for example: Session Start Response, Session Update Response) from MCE comes with an unknown mce-mbms-id.\n3. Any message (for example: Session Start Response, Session Update Response) from MCE comes with an unknown mme-mbms-id and mce-mbms-id pair.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-unknown-mme-mbms-m3ap-id	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with Radio Network Layer Cause 'unknown mme-mbms-m3ap-id'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) with MCE MBMS M3AP ID that is either unknown, or (for a first message received at the MCE) is known and already allocated to an existing MBMS service related context.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-unknown-mce-mbms-m3ap-id	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with Radio Network Layer Cause 'unknown mce-mbms-m3ap-id'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) with MME MBMS M3AP ID that is either unknown, or (for a first message received at the MCE) is known and already allocated to an existing context.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-unknown-mbms-m3ap-id-pair	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with Radio Network Layer Cause 'unknown pair of mme-mbms-m3ap-id and mce-mbms-m3ap-id'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) with both MBMS M3AP IDs that are unknown, or are known but do not define a single MBMS context.	Not Defined	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-embms	mme-embms-m3ap-tx-syntax-err	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received which included a Protocol Cause 'Transfer Syntax Error' error.	Message sent by MCE when it cannot decode the received physical messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request). For example when there is a violation of value ranges in ASN.1 definition of messages.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-semantic-err	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with protocol cause 'Semantic Error'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) with invalid information. For example MBMS E-RAB QoS parameters containing invalid values.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-msg-not-compatible	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with protocol cause 'Message not Compatible with Receiver State'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) in a state where it is not expecting these messages.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-abstract-syntax-err	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with Abstract Syntax Error.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) containing one or more IEs which can not be understood or there are more than specified number of occurrence of the IE etc.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-abstract-syntax-err-reject	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received with protocol cause 'Abstract Syntax Error and Criticality as Reject'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) containing one or more IEs with criticality REJECT which can not be understood or there are more than specified number of occurrence of the IE etc.	Not Defined	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-embms	mme-embms-m3ap-abstract-syntax-err-ignore-notify	INT32	Incremental	active	Total number of M3AP messages (MBMS Session Start Failure, Error Indication, Reset, MBMS Session Update Failure) received which included an abstract syntax error and the concerning criticality indicated as 'ignore and notify'.	Message sent by MCE when it received messages (MBMS Session Start Request, Error Indication, Reset, MBMS Session Start Request) containing one or more IEs with criticality IGNORE and NOTIFY which can not be understood or there are more than specified number of occurrence of the IE etc.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-abstract-syntax-err-false-constr-msg	INT32	Incremental	active	Total number of M3AP messages (Error Indication, Reset) received which contained IEs or IE groups in the wrong order or with too many occurrences.	Message sent by MCE when it received initiating messages (Error Indication, Reset) that does not have a message to report unsuccessful outcome with IE which can not be understood or there are more than specified number of occurrence of the IE etc.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-mce-total-active	INT32	Gauge	active	Total number of active MCEs connected to the MME.	Increments when an MCE connection is established and decrements when the connection is torn down.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-mce-total-created	INT32	Incremental	active	Total number of MCE connections created on MME.	Increments when a connection is established with an MCE.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-mce-total-closed	INT32	Incremental	active	Total number of MCE connections closed by MME.	Increments when a connection is closed with an MCE. Closure could be due to disconnect initiated by MCE, SCTP disconnect, MCE loss due to internal errors in MME.	Not Defined	Proprietary
mme-embms	mme-embms-m3ap-mce-total-rejected	INT32	Incremental	active	Total number of MCE connections rejected by MME.	Increments when MCE's M3 Setup Request is rejected for a reason such as: MCE from an unsupported PLMN tries to connect to MME.	Not Defined	Proprietary
henbgw-access	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
henbgw-access	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HENBGW-ACCESS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
henbgw-access	servname	STRING	Primary-key	active	The name of the henbgw-network service for which these statistics are being displayed.	Configuration	Per HENBGW-ACCESS Service	Standard
henbgw-access	servid	INT32	Primary-key	active	The identification number of the henbgw-network service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per HENBGW-ACCESS Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	sctp-transdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init chunks.	Increments when MME sends INIT Chunk to eSMLC to establish sctp connection. Note: Retransmitted INIT Chunks with same Initiate Tag do increment this counter.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init acknowledge chunks.	Increments when MME sends INIT ACK Chunk to eSMLC to acknowledge the INIT Chunk sent by eSMLC earlier to establish sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown chunks.	Increments when MME sends shutdown chunk to terminate the sctp connection with eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown acknowledge chunks.	Increments when MME sends SHUTDOWN ACK Chunk to acknowledge the receipt of SHUTDOWN Chunk from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie chunks.	Increments when MME sends COOKIE ECHO Chunk to eSMLC during the initialization of sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie acknowledge chunks.	Increments when MME sends COOKIE ACK Chunk to eSMLC to acknowledge the receipt of a COOKIE ECHO chunk which eSMLC has sent earlier.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data chunks.	Increments when MME sends DATA Chunk to eSMLC containing the application layer payload.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data acknowledge chunks.	Increments when MME sends SACK Chunk to eSMLC to acknowledge received DATA chunks.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown complete chunks.	Increments when MME sends SHUTDOWN COMPLETE Chunk to eSMLC to acknowledge the receipt of the SHUTDOWN ACK chunk at the completion of the shutdown process.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat chunks.	Increments when MME sends HEARTBEAT Chunk to eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	sctp-transdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat acknowledge chunks.	Increments when MME sends HEARTBEAT ACK chunk to eSMLC as a response to a HEARTBEAT chunk.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - abort chunks.	Increments when MME sends ABORT Chunk to eSMLC to close the existing association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - error chunks.	Increments when MME sends ERROR Chunk to eSMLC to notify it of certain error conditions.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-nocause	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause No Cause.	Transmit SCTP Abort with cause No Cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-invstrm	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Invalid Stream Identifier	Transmit SCTP Abort with cause Invalid Stream Identifier.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-missmand	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Missing Mandatory Parameter.	Transmit SCTP Abort with cause Missing Mandatory Parameter	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-stalecoo	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Stale Cookie Error.	Transmit SCTP Abort with cause Stale Cookie Error.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-outrsrc	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Out of Resource.	Transmit SCTP Abort with cause Out of Resource.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-unresaddr	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unresolvable Address.	Transmit SCTP Abort with cause Unresolvable Address.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-unrecochu	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unrecognized Chunk Type.	Transmit SCTP Abort with cause Unrecognized Chunk Type.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-invmand	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Invalid Mandatory Parameter.	Transmit SCTP Abort with cause Invalid Mandatory Parameter.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-unrecoparam	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unrecognized Parameters.	Transmit SCTP Abort with cause Unrecognized Parameters.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-nouserdata	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause No User Data.	Transmit SCTP Abort with cause No User Data.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-cooshut	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Cookie Received While Shutting Down.	Transmit SCTP Abort with cause Cookie Received While Shutting Down.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-rstassoc	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Restart of an Association with New Addresses.	Transmit SCTP Abort with cause Restart of an Association with New Addresses.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-userinit	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause User-Initiated Abort.	Transmit SCTP Abort with cause User-Initiated Abort.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-transdata-protvio	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Protocol Violation.	Transmit SCTP Abort with cause Protocol Violation.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init chunks.	Increments when MME Receives INIT Chunk from eSMLC when eSMLC wants to initiate an SCTP association.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	sctp-recdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init acknowledge chunks.	Increments when MME receives INIT ACK Chunk from eSMLC acknowledging the initiation of an SCTP association by MME.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown chunks.	Increments when MME receives SHUTDOWN Chunk from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown acknowledge chunks.	Increments when MME receives SHUTDOWN ACK Chunk from eSMLC acknowledging the SHUTDOWN Chunk sent by MME previously.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie chunks.	Increments when MME receives COOKIE ECHO Chunk from eSMLC which has initiated the sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie acknowledge chunks.	Increments when MME receives COOKIE ACK Chunk from eSMLC acknowledging the COOKIE ECHO Chunk sent by MME previously.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data chunks.	Increments when MME receives DATA Chunk from eSMLC containing the application layer payload data.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data acknowledge chunks.	Increments when MME receives SACK Chunk from eSMLC for the DATA Chunk which MME has already sent.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown complete chunks.	Increments when MME receives SHUTDOWN COMPLETE Chunk from the eSMLC acknowledging the SHUTDOWN ACK Chunk which MME has already sent.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat chunks.	Increments when MME receives HEART BEAT Chunk from eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat acknowledge chunks.	Increments when MME receives HEARTBEAT ACK Chunk from eSMLC acknowledging the HEARTBEAT Chunk which MME has sent earlier.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	sctp-recdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - abort chunks.	Increments when MME receives ABORT Chunk from eSMLC closing the association.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - error chunks.	Increments when MME receives ERROR Chunk from eSMLC to notify MME of certain error conditions.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-nocause	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause No Cause.	Receive SCTP Abort with cause No Cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-invstrm	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Invalid Stream Identifier.	Receive SCTP Abort with cause Invalid Stream Identifier.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-missmand	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Missing Mandatory Parameter.	Receive SCTP Abort with cause Missing Mandatory Parameter.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-stalecoo	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Stale Cookie Error.	Receive SCTP Abort with cause Stale Cookie Error.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-outrsrc	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Out of Resource	Receive SCTP Abort with cause Out of Resource.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-unresaddr	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unresolvable Address.	Receive SCTP Abort with cause Unresolvable Address.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-unrecochu	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unrecognized Chunk Type.	Receive SCTP Abort with cause Unrecognized Chunk Type.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-invmand	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Invalid Mandatory Parameter.	Receive SCTP Abort with cause Invalid Mandatory Parameter.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-unrecoparam	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unrecognized Parameters.	Receive SCTP Abort with cause Unrecognized Parameters.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-nouserdata	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause No User Data.	Receive SCTP Abort with cause No User Data.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-cooshut	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Cookie Received While Shutting Down.	Receive SCTP Abort with cause Cookie Received While Shutting Down.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-rstassoc	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Restart of an Association with New Addresses.	Receive SCTP Abort with cause Restart of an Association with New Addresses.	Across HeNB-GW Access	Standard
henbgw-access	sctp-recdata-userinit	INT32	Incremental	active	Indicates the SCTP Stats-Receive Data-SCTP Abort with cause User-Initiated Abort.	Receive SCTP Abort with cause User-Initiated Abort.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-recdata-protvio	INT32	Incremental	active	Indicates the SCTP Stats-Receive Data-SCTP Abort with cause Protocol Violation.	Receive SCTP Abort with cause Protocol Violation.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-retransdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - init chunks.	Increments when MME retransmits INIT Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-retransdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown chunks.	Increments when MME retransmits SHUTDOWN Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-retransdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown acknowledge chunks.	Increments when MME retransmits SHUTDOWN ACK Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	sctp-retransdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie chunks.	Increments when MME retransmits COOKIE ECHO Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-retransdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie acknowledge chunks.	Increments when MME retransmits DATA Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-totsent-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes sent to lower layer.	Increments when SLs Application layer DATA is transmitted to eSMLC in terms of number of bytes.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-totrec-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes received from lower layer.	Increments when SLs Application layer DATA is received at MME from eSMLC in terms of number of bytes.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-totsent-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets sent to lower layer.	Increments when MME sends DATA Chunks to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	sctp-totrec-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets received from lower layer.	Increments when MME receives DATA chunks from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-setupres	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1 setup responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-setupfail	INT32	Incremental	active	Indicates the S1AP Stats-Transmit Data-S1 Setup Failure.	Transmit s1 setup failure	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-overloadstart	INT32	Incremental	active	Indicates the S1AP Stats-Transmit Data-Overload Start.	Transmit s1ap overload start.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-overloadstop	INT32	Incremental	active	Indicates the S1AP Stats-Transmit Data-Overload Stop.	Transmit s1ap overload stop.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-mmedirinftra	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - MME direct information transfers.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-paging	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - paging messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-enbcfgupdack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - EnodeB configuration update acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-enbcfgupdfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - EnodeB configuration update failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-msgencfail	INT32	Incremental	active	Indicates the S1AP Stats-Transmit Data- S1AP Msg Encode Failure.	Transmit s1ap encode failure.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-erabsetupreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB setup requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-erabmodreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB modify requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-erabrelcmd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - E-RAB release commands.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ctxtsetupreq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - initial context setup requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-uectxtrel	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - UE context release commands.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-uectxtmod	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - UE context modify requests.	Not Defined	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-transdata-dlnastrans	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - downlink NAS transports.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - error indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-hocmd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover commands.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-hoprepfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover preparation failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-horeq	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-hocanack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - handover cancel acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-pathswreqack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - path switch request acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-pathswreqfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - path switch request failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-dlinktunnel	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - downlink S1 CDMA2000 tunneling.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-tracestart	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - trace starts.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-deactivtrace	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - deactivation trace messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-mmetrans	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - MME status transfers.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-locrepctrl	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - location report control messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-encfail	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP encode failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-cfgupd	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - S1AP configuration updates.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-cfgtfr	INT32	Incremental	active	Indicates the S1AP Stats-Transmit Data-MME Config Transfer.	Transmit s1ap MME config transfer.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-killreq	INT32	Incremental	active	The total number of CMAS Kill Request messages sent by the MME to the eNodeB.	Increments for each message forwarded by the MME to eNodeB to cancel an already ongoing broadcast of a warning message.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-nonue-lppatpt	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink Non-UE LPPaTpt.	Receive s1ap uplink non UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ue-lppatpt	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink UE LPPaTpt.	Receive s1ap uplink UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-wrwreq	INT32	Incremental	active	The total number of CMAS Write-Replace Warning Request messages sent by the MME to the eNodeB.	Increments for each message sent by the MME to request the start or overwrite of the broadcast of a warning message.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-setupreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1 setup requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - resets.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - reset acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-enbdirinftrans	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB direct information transfers.	Not Defined	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-recdata-enbcfgupd	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB configuration updates.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-msgdecfail	INT32	Incremental	active	Indicates the S1AP Stats-Receive Data- S1AP Msg Decode Failure.	Receive s1ap msg decode failure.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-msgunexpevt	INT32	Incremental	active	Indicates the S1AP Stats-Receive Data- S1AP Msg Unexpected Event.	Receive s1ap msg unexpected event.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-erabsetupres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RA setup responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-erabmodres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB modify responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-erabrelres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB release responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-erabrelind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - E-RAB release indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ctxtsetupres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial context setup responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ctxtsetupfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial context setup failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-uectxtrelreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context release requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-uectxtrelcomp	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context release completions.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-uectxtmodres	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context modify responses.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-uectxtmodfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE context modify failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-inituemsg	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - initial UE messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ulinknastp	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - uplink NAS transports.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-nasnondelind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - NAS non-delivery indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - error indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-horeqack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover request acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-hocancel	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover cancellations.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-horequire	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover required messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-hofail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-honotify	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - handover notify messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-pathswreq	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - path switch requests.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-enbstatustrans	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - EnodeB status transfers.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-uecap	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - UE capability information indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ulinktunnel	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - uplink S1 CDMA 2000 tunneling.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-tracefailind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - trace failure indications.	Not Defined	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-recdata-locrep	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - location reports.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-locrepfailind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - location report failure indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-decfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP decode failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unexpevt	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - S1AP unexpected events.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-cfgupdfail	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - MME configuration update failures.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-cfgupdack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - MME configuration update acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-enbcfgtfr	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - eNodeB configuration transfer messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-nonue-lppatpt	INT32	Incremental	active	S1AP Stats- Receive Data-Downlink Non-UE LPPaTpt.	Receive s1ap downlink non UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ue-lppatpt	INT32	Incremental	active	S1AP Stats- Receive Data-Downlink UE LPPaTpt.	Receive s1ap downlink UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-killres	INT32	Incremental	active	Indicates the S1AP Stats- Receive Data-Kill Request.	Receive s1ap kill request.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-wrwresp	INT32	Incremental	active	The total number of Write Response messages received by the MME from the eNodeB.	Increments for each message received from the eNodeB to acknowledge to the MME on the start or overwrite request of a warning message.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-restartind	INT32	Incremental	active	Indicates the reception of S1AP PWS restart indication from HeNB.	: Reception of S1AP PWS restart indication from HeNB.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-err-unknownmme-ues1apid	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-unknownenb-ues1apid	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-dupenb-ues1apid	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-unknownpair-ues1apid	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-tfr-synerr	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-semanticerr	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-msgnotcompatible	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-aserej	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-aseignore-notify	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-err-asefalsely-constrmsg	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
henbgw-access	s1ap-recdata-celltraffictrace	INT32	Incremental	active	Indicates the S1AP Stats Receive Cell Traffic Trace.	Receive Cell Traffic Trace.	Across all HeNB-GW Access services.	Standard
henbgw-access	henodeb-totassoc	INT32	Gauge	active	Indicates the HeNodeB Statistics - Total HeNodeB Associations.	Home enodb association add/delete.	Across all HeNB-GW Access services.	Standard
henbgw-access	total-sess-long-dur-detection	INT32	Incremental	active	Indicates the total long duration sessions detected.	Changes when long duration session detects.	Across all HeNB-GW Access services.	Standard
henbgw-access	total-sess-long-dur-disconnect	INT32	Incremental	active	Indicates the disconnected long duration sessions.	Changes when long duration session deletes.	Across all HeNB-GW Access services.	Standard
henbgw-access	misc-ue-current	INT32	Gauge	active	Indicates the Miscellaneous Statistics - UE Statistics - Current Number of UEs.	Miscellaneous UE attach/detach.	Across all HeNB-GW Access services.	Standard
henbgw-access	misc-ue-max-concurrent	INT32	Incremental	active	Indicates the Miscellaneous Statistics- UE Statistics - Maximum Concurrent UEs.	Concurrent UE attach.	Across all HeNB-GW Access services.	Standard
henbgw-access	misc-ue-reject-noclpcredit	INT32	Incremental	active	Indicates the Miscellaneous Statistics - UE Statistics - Number of Rejected UEs - No CLP Credit.	UE reject with no clp credit.	Across all HeNB-GW Access services.	Standard
henbgw-access	misc-ue-reject-s1apexhaust	INT32	Incremental	active	Indicates the Miscellaneous Statistics - UE Statistics - Number of Rejected UEs - S1apId Exhausted.	UE reject with s1ap id exhaust.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	misc-erab-current	INT32	Gauge	active	Indicates the Miscellaneous Statistics - ERAB Statistics - Current Number of ERABs	ERAB attach/detach.	Across all HeNB-GW Access services.	Standard
henbgw-access	misc-erab-max-concurrent	INT32	Incremental	active	Indicates the Miscellaneous Statistics - ERAB Statistics - Maximum Concurrent ERABs.	Concurrent ERAB attach.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Radio unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Transmit data -TX2 timer expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Successful handover.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Release dueto E-UTRAN generated reason cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover cancelled cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Partial handover cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover fail in target EPC /heNB or target system cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover target not allowed cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Transmit data - TS1 RELOCOverall expiry cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Transmit data - TS1 RELOCPreparation expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Cell not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown target id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Radio resorce not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or already allocated MME-UE-S1AP ID cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or already allocated eNb-UE-S1AP ID cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or inconsistent pair of UE S1AP ID cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover desirable for radio reason cause .	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Time critical handover cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Resource optimisation handover cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Reduce load in serving cell cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Transmit data - User inactivity cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Transmit data - radio connectivity with UE lost cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Transmit data - load balancing TAU required cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-transdata-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Transmit data - CS fallback triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Transmit data - UE notavailable for PS service cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-transdata-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Radio resource not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Fail in Radio interface procedure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Transmit data - invalid QOS cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Inter-RAT redirection cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Interaction with other procedure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown ERAB id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Multiple E-RAB id instances cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Encryption and/or integrity protection algorithms not supported cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - S1 Intrasystem handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - S1 Intersysem handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - X2 handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Redirection towards 1XRTT cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unsupported QCI cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Invalid CSG id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Transmit data - transport resource not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data -transport unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Normal release cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Authentication failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-detach	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Detach cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data - NAS unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Transmit data - CSG subscription expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Transfer syntax error.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Abstract syntax error - Reject cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Abstract syntax error- Ignore and notify cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Message not compatible with receiver state cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Semantic error cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Falsely constructed message cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-transdata-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Protocol unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Control processing overload cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Not enough user plane processing resources cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-hw-failure	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Hardware failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Transmit data - O&M intervention cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unspecified failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-transdata-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown PLMN cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Radio Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TX2RELOCOverall Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Successful Handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Release due to E-UTRAN Generated Reason cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Cancelled cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Partial Handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Failure In Target EPC/eNB Or Target System cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Target not allowed cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TS1RELOCoverall Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TS1RELOCprep Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Cell not available cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Unknown Target ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Recieve data -No Radio Resources Available in Target Cell cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown or already allocated MME UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown or already allocated eNB UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Unknown or inconsistent pair of UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Handover desirable for radio reasons cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Time critical handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Resource optimisation handover cause.	On receiving of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Reduce load in serving cell cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-recdata-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Recieve data -User inactivity cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Radio Connection With UE Lost cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Load Balancing TAU Required cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Recieve data -CS Fallback Triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Recieve data - UE Not Available For PS Service cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Radio resources not available cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Failure in the Radio Interface Procedure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Invalid QoS combination cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Inter-RAT redirection cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Interaction with other procedure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown E-RAB ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Multiple E-RAB ID instances cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Encryption and/or integrity protection algorithms not supported cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data -S1 intra system Handover triggered.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data - S1 inter system Handover triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data -X2 Handover triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Redirection towards 1xRTT cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Not supported QCI value cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Recieve data -invalid CSG Id cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Transport Resource Unavailable cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Transport Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Normal Release cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Authentication failure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-detach	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Detach cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data - NAS Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Recieve data -CSG Subscription Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Transfer Syntax Error cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-recdata-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Abstract Syntax Error - Reject cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Abstract Syntax Error Ignore and Notify cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Message not Compatible with Receiver State cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Semantic Error cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Abstract Syntax Error Falsely Constructed Message cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Protocol unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Control Processing Overload cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Not enough User Plane Processing Resources cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-hw-failure	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Hardware Failure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Recieve data - O&M Intervention cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unspecified failure cause.	On receiving of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-recdata-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Raadio unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Raadio unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TX2RELOCOverall Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Successful Handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Release due to E-UTRAN Generated Reason cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover Cancelled cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Partial Handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover Failure In Target EPC/eNB Or Target System cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Handover Target not allowed cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TS1RELOCoverall Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TS1RELOCprep Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-gwgen-data-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Cell not available cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown Target ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -No Radio Resources available in Target Cell cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or already allocated MME UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or already allocated eNB UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-gwgen-data-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or inconsistent pair of UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-gwgen-data-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover desirable for radio reasons cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Time critical handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Resource optimisation handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Reduce load in serving cell cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -User inactivity cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Radio Connection With UE Lost cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-gwgen-data-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Load Balancing TAU Required cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-gwgen-data-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - CS Fallback Triggered cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-access	s1ap-gwgen-data-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - UE Not Available For PS Service cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Radio resources not available cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Failure in the Radio Interface Procedure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Invalid QoS combination cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-gwgen-data-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Inter-RAT redirection cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Interaction with other procedure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -, Unknown E-RAB ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Multiple E-RAB ID instances cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Encryption and/or integrity protection algorithms not supported cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -S1 intra system Handover triggered cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - S1 inter system Handover triggered.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -X2 Handover triggered cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Redirection towards 1xRTT cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Not supported QCI value cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -invalid CSG Id cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Transport Resource Unavailable cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Transport Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Normal Release cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Authentication failure cause.	Indicates S1AP stats - Gateway generated data - Authentication failure cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-detach	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Detach cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - NAS Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - CSG Subscription Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-access	s1ap-gwgen-data-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Transfer Syntax Error cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Abstract Syntax Error Reject cause.	When gateway generates a failure /error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Abstract Syntax Error Ignore and Notify cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Message not Compatible with Receiver State cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Semantic Error cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Falsely Constructed Message cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Protocol Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Control Processing Overload cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	overload	INT32	Incremental	active	Processing Overload cause.	indication with cause.	Access services.	Standard
henbgw-access	s1ap-gwgen-data-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Not enough User Plane Processing Resources cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-hw-failure	INT32	Incremental	active	When gateway generates a failure message/error indication with cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -O&M Intervention cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unspecified failure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-gwgen-data-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown PLMN cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-tai-not-available	INT32	Incremental	active	Indicates S1AP stats -internal cause - tai not available to service.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-license-related	INT32	Incremental	active	Indicates S1AP stats -internal cause -license expired.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-res-not-avail	INT32	Incremental	active	Indicates S1AP stats -internal cause - resource not available.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-credit-limit-exceeded	INT32	Incremental	active	Indicates S1AP stats -internal cause - session credits exceeded.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-multiple-tai	INT32	Incremental	active	Indicates S1AP stats -internal cause - multiple tai present for a henb.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-multiple-csg-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -multiple csg id associates with a henb.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-access	s1ap-internal-cause-not-an-henb	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -connecting enb is macro and not femto enb.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HENBGW-Network service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
henbgw-network	servname	STRING	Primary-key	active	The name of the henbgw-network service for which these statistics are being displayed.	Configuration	Per HENBGW-Network Service	Standard
henbgw-network	servid	INT32	Primary-key	active	The identification number of the henbgw-network service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per HENBGW-Network Service	Standard
henbgw-network	sctp-transdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init chunks.	Increments when MME sends INIT Chunk to eSMLC to establish sctp connection. Note: Retransmitted INIT Chunks with same Initiate Tag do increment this counter.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - init acknowledge chunks.	Increments when MME sends INIT ACK Chunk to eSMLC to acknowledge the INIT Chunk sent by eSMLC earlier to establish sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown chunks.	Increments when MME sends shutdown chunk to terminate the sctp connection with eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown acknowledge chunks.	Increments when MME sends SHUTDOWN ACK Chunk to acknowledge the receipt of SHUTDOWN Chunk from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie chunks.	Increments when MME sends COOKIE ECHO Chunk to eSMLC during the initialization of sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - cookie acknowledge chunks.	Increments when MME sends COOKIE ACK Chunk to eSMLC to acknowledge the receipt of a COOKIE ECHO chunk which eSMLC has sent earlier.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data chunks.	Increments when MME sends DATA Chunk to eSMLC containing the application layer payload.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - data acknowledge chunks.	Increments when MME sends SACK Chunk to eSMLC to acknowledge received DATA chunks.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	sctp-transdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - shutdown complete chunks.	Increments when MME sends SHUTDOWN COMPLETE Chunk to eSMLC to acknowledge the receipt of the SHUTDOWN ACK chunk at the completion of the shutdown process.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat chunks.	Increments when MME sends HEARTBEAT Chunk to eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - heartbeat acknowledge chunks.	Increments when MME sends HEARTBEAT ACK chunk to eSMLC as a response to a HEARTBEAT chunk.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - abort chunks.	Increments when MME sends ABORT Chunk to eSMLC to close the existing association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - transmit data - error chunks.	Increments when MME sends ERROR Chunk to eSMLC to notify it of certain error conditions.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-nocause	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause No Cause.	Transmit SCTP Abort with cause No Cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-invstrm	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Invalid Stream Identifier	Transmit SCTP Abort with cause Invalid Stream Identifier.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-missmand	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Missing Mandatory Parameter.	Transmit SCTP Abort with cause Missing Mandatory Parameter	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-stalecoo	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Stale Cookie Error.	Transmit SCTP Abort with cause Stale Cookie Error.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-outrsrc	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Out of Resource.	Transmit SCTP Abort with cause Out of Resource.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-unresaddr	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unresolvable Address.	Transmit SCTP Abort with cause Unresolvable Address.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-unrecochu	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unrecognized Chunk Type.	Transmit SCTP Abort with cause Unrecognized Chunk Type.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-invmand	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Invalid Mandatory Parameter.	Transmit SCTP Abort with cause Invalid Mandatory Parameter.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-unrecoparam	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Unrecognized Parameters.	Transmit SCTP Abort with cause Unrecognized Parameters.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-nouserdata	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause No User Data.	Transmit SCTP Abort with cause No User Data.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	sctp-transdata-cooshut	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Cookie Received While Shutting Down.	Transmit SCTP Abort with cause Cookie Received While Shutting Down.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-rstassoc	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Restart of an Association with New Addresses.	Transmit SCTP Abort with cause Restart of an Association with New Addresses.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-userinit	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause User-Initiated Abort.	Transmit SCTP Abort with cause User-Initiated Abort.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-transdata-protvio	INT32	Incremental	active	Indicates the SCTP Stats-Transmit Data-SCTP Abort with cause Protocol Violation.	Transmit SCTP Abort with cause Protocol Violation.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init chunks.	Increments when MME Receives INIT Chunk from eSMLC when eSMLC wants to initiate an SCTP association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-initack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - init acknowledge chunks.	Increments when MME receives INIT ACK Chunk from eSMLC acknowledging the initiation of an SCTP association by MME.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown chunks.	Increments when MME receives SHUTDOWN Chunk from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown acknowledge chunks.	Increments when MME receives SHUTDOWN ACK Chunk from eSMLC acknowledging the SHUTDOWN Chunk sent by MME previously.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie chunks.	Increments when MME receives COOKIE ECHO Chunk from eSMLC which has initiated the sctp association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-cookieack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - cookie acknowledge chunks.	Increments when MME receives COOKIE ACK Chunk from eSMLC acknowledging the COOKIE ECHO Chunk sent by MME previously.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data chunks.	Increments when MME receives DATA Chunk from eSMLC containing the application layer payload data.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-dataack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - data acknowledge chunks.	Increments when MME receives SACK Chunk from eSMLC for the DATA Chunk which MME has already sent.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	sctp-recdata-shutcomp	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - shutdown complete chunks.	Increments when MME receives SHUTDOWN COMPLETE Chunk from the eSMLC acknowledging the SHUTDOWN ACK Chunk which MME has already sent.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-hb	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat chunks.	Increments when MME receives HEART BEAT Chunk from eSMLC to probe the reachability of a particular destination transport address defined in the present association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-hback	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - heartbeat acknowledge chunks.	Increments when MME receives HEARTBEAT ACK Chunk from eSMLC acknowledging the HEARTBEAT Chunk which MME has sent earlier.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-abort	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - abort chunks.	Increments when MME receives ABORT Chunk from eSMLC closing the association.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-error	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - receive data - error chunks.	Increments when MME receives ERROR Chunk from eSMLC to notify MME of certain error conditions.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-nocause	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause No Cause.	Receive SCTP Abort with cause No Cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-invstrm	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Invalid Stream Identifier.	Receive SCTP Abort with cause Invalid Stream Identifier.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-missmand	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Missing Mandatory Parameter.	Receive SCTP Abort with cause Missing Mandatory Parameter.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-stalecoo	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Stale Cookie Error.	Receive SCTP Abort with cause Stale Cookie Error.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-outrsrc	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Out of Resource	Receive SCTP Abort with cause Out of Resource.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-unresaddr	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unresolvable Address.	Receive SCTP Abort with cause Unresolvable Address.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-unrecochu	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unrecognized Chunk Type.	Receive SCTP Abort with cause Unrecognized Chunk Type.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-invmand	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Invalid Mandatory Parameter.	Receive SCTP Abort with cause Invalid Mandatory Parameter.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-unrecoparam	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Unrecognized Parameters.	Receive SCTP Abort with cause Unrecognized Parameters.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-nouserdata	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause No User Data.	Receive SCTP Abort with cause No User Data.	Across HeNB-GW Access	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	sctp-recdata-cooshut	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Cookie Received While Shutting Down.	Receive SCTP Abort with cause Cookie Received While Shutting Down.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-rstassoc	INT32	Incremental	active	Indicates the SCTP Stats- Receive Data-SCTP Abort with cause Restart of an Association with New Addresses.	Receive SCTP Abort with cause Restart of an Association with New Addresses.	Across HeNB-GW Access	Standard
henbgw-network	sctp-recdata-userinit	INT32	Incremental	active	Indicates the SCTP Stats-Receive Data-SCTP Abort with cause User-Initiated Abort.	Receive SCTP Abort with cause User-Initiated Abort.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-recdata-protvio	INT32	Incremental	active	Indicates the SCTP Stats-Receive Data-SCTP Abort with cause Protocol Violation.	Receive SCTP Abort with cause Protocol Violation.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-retransdata-init	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - init chunks.	Increments when MME retransmits INIT Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-retransdata-shut	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown chunks.	Increments when MME retransmits SHUTDOWN Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-retransdata-shutack	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - shutdown acknowledge chunks.	Increments when MME retransmits SHUTDOWN ACK Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-retransdata-cookie	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie chunks.	Increments when MME retransmits COOKIE ECHO Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-retransdata-data	INT32	Incremental	active	The total number of Stream Control Transmission Protocol - retransmit data - cookie acknowledge chunks.	Increments when MME retransmits DATA Chunk to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-totsent-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes sent to lower layer.	Increments when SLs Application layer DATA is transmitted to eSMLC in terms of number of bytes.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-totrec-bytes	INT32	Incremental	active	The total number of Stream Control Transmission Protocol bytes received from lower layer.	Increments when SLs Application layer DATA is received at MME from eSMLC in terms of number of bytes.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-totsent-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets sent to lower layer.	Increments when MME sends DATA Chunks to eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	sctp-totrec-pkts	INT32	Incremental	active	The total number of Stream Control Transmission Protocol packets received from lower layer.	Increments when MME receives DATA chunks from eSMLC.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-setupreq	INT32	Incremental	active	S1AP Stats-Transmit Data-S1 Setup Request.	Transmit s1ap setup request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset messages.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - reset acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-enbdirinftra	INT32	Incremental	active	S1AP Stats-Transmit Data-eNB Dir Information Transfer.	Transmit s1ap enodb dir information transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-enbcfgupd	INT32	Incremental	active	S1AP Stats-Transmit Data-enodeB Configuration Update.	Transmit s1ap enodeb configuration update.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-msgdecfail	INT32	Incremental	active	S1AP Stats-Transmit Data- S1AP Msg Decode Failure.	Transmit s1ap msg decode failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-msgunexp	INT32	Incremental	active	S1AP Stats-Transmit Data- S1AP Msg Unexpected.	Transmit s1ap msg unexpected.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-transdata-erabsetupres	INT32	Incremental	active	S1AP Stats-Transmit Data-E-RAB Setup Response.	Transmit s1ap ERAB setup response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-erabmodres	INT32	Incremental	active	S1AP Stats-Transmit Data-E-RAB Modify Response.	Transmit s1ap ERAB modify response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-erabrelres	INT32	Incremental	active	S1AP Stats-Transmit Data-E-RAB Release Response.	Transmit s1ap ERAB release response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-erabrelind	INT32	Incremental	active	S1AP Stats-Transmit Data-E-RAB Release Indication.	Transmit s1ap ERAB release indication.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ctxtsetupres	INT32	Incremental	active	S1AP Stats-Transmit Data-Initial Context Setup Response.	Transmit s1ap initial context setup response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ctxtsetupfail	INT32	Incremental	active	S1AP Stats-Transmit Data-Initial Context Setup Failure.	Transmit s1ap initial context setup failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-uectxtrelreq	INT32	Incremental	active	S1AP Stats-Transmit Data-UE Context Release Request.	Transmit s1ap UE Context release request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-uectxtrelcomp	INT32	Incremental	active	S1AP Stats-Transmit Data-UE Context Release Complete.	UE Context release complete.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-uectxtmodres	INT32	Incremental	active	S1AP Stats-Transmit Data-UE Context Modify Response.	Transmit s1ap UE context modify response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-uectxtmodfail	INT32	Incremental	active	S1AP Stats-Transmit Data-UE Context Modify Fail.	Transmit s1ap UE context modify fail.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-iniuemsg	INT32	Incremental	active	S1AP Stats-Transmit Data- Initial UE Message.	Transmit s1ap initial UE message.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ulnastrans	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink NAS Transport.	Transmit s1ap uplink NAS transport.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-nonnasdel	INT32	Incremental	active	S1AP Stats-Transmit Data-NAS Non-Delivery Ind.	Transmit s1ap NAS non delivery indication.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - transmit data - error indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-horeqack	INT32	Incremental	active	S1AP Stats-Transmit Data-Handover Request Ack.	Transmit s1ap handover request ack.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-hocan	INT32	Incremental	active	S1AP Stats-Transmit Data-Handover Cancel.	Transmit s1ap handover cancel.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-horequire	INT32	Incremental	active	S1AP Stats-Transmit Data-Handover Required.	Transmit s1ap handover required.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-hofail	INT32	Incremental	active	S1AP Stats-Transmit Data-Handover Fail.	Transmit s1ap handover fail.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-honot	INT32	Incremental	active	S1AP Stats-Transmit Data-Handover Notify.	Transmit s1ap handover notify.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-pathswreq	INT32	Incremental	active	S1AP Stats-Transmit Data-Path Switch Request.	Transmit s1ap path switch request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-enbstatra	INT32	Incremental	active	S1AP Stats-Transmit Data-eNB Status Transfer.	Transmit s1ap enodeb status transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-uecapinfo	INT32	Incremental	active	S1AP Stats-Transmit Data-UE Capability Info Ind.	Transmit s1ap UE capability info indication.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ulinktunnel	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink S1 CDMA2000.	Transmit s1ap uplink S1 CDMA2000.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-tracefailind	INT32	Incremental	active	S1AP Stats-Transmit Data-Trace Failure Ind.	Transmit s1ap trace failure indication.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-locreport	INT32	Incremental	active	S1AP Stats-Transmit Data-Location Report.	Transmit s1ap location report.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-locreportfail	INT32	Incremental	active	S1AP Stats-Transmit Data-Location Report Failure Indication.	Transmit s1ap location report failure indication.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-decfail	INT32	Incremental	active	S1AP Stats-Transmit Data-S1AP Decode Fail.	Transmit s1ap decode fail.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-transdata-cfgupdfail	INT32	Incremental	active	S1AP Stats-Transmit Data- MME Config Update Failure.	Transmit s1ap MME config update failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-cfgupdack	INT32	Incremental	active	S1AP Stats-Transmit Data- MME Config Update Acknowledge.	Transmit s1ap MME config update ack.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unexpevent	INT32	Incremental	active	S1AP Stats-Transmit Data-S1AP Unexpected Event.	Receive s1ap setup unexpected event.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-enbcfgtfr	INT32	Incremental	active	S1AP Stats-Transmit Data-enode Config Transfer.	Receive s1ap enode config transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-nonue-lppatpt	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink Non-UE LPPaTpt.	Receive s1ap uplink non UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ue-lppatpt	INT32	Incremental	active	S1AP Stats-Transmit Data-Uplink UE LPPaTpt.	Receive s1ap uplink UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-killres	INT32	Incremental	active	S1AP Stats-Transmit Data-Kill Request.	Receive s1ap kill request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-celltraffictrace	INT32	Incremental	active	Indicates the S1AP Stats Transmit Cell Traffic Trace.	Transmit Cell Traffic Trace.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-wrwresp	INT32	Incremental	active	Indicates the Transmission of S1AP Write Replace Warning response. towards MME.	Transmission S1AP Write Replace Warning response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-restartind	INT32	Incremental	active	Indicates the Transmission of PWS restart indication towards MME.	Transmission of PWS restart indication towards MME.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-retransdata-s1setup	INT32	Incremental	active	S1AP Stats-Retransmitted S1AP Data-S1 Setup Req.	Retransmit s1ap S1 setup req.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-setupres	INT32	Incremental	active	S1AP Stats-Receive Data-S1 Setup Response.	Receive s1ap S1 setup response.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-setupfail	INT32	Incremental	active	S1AP Stats-Receive Data-S1 Setup Failure.	Receive s1ap S1 setup failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-reset	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - resets.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-resetack	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - reset acknowledgements.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-overloadstart	INT32	Incremental	active	S1AP Stats-Receive Data-Overload Start.	Receive s1ap overload start.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-overloadstop	INT32	Incremental	active	S1AP Stats-Receive Data-Overload Stop.	Receive s1ap overload stop.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-mmedirinftrans	INT32	Incremental	active	S1AP Stats-Receive Data- MME Dir Information Transfer.	Receive s1ap MME dir information transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-paging	INT32	Incremental	active	S1AP Stats-Receive Data- Paging.	Receive s1ap paging.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-enbcfgupdateack	INT32	Incremental	active	S1AP Stats-Receive Data- EnodeB Configuration Update Acknowledge.	Receive s1ap enodeb configuration update ack.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-enbcfgupdatefail	INT32	Incremental	active	S1AP Stats-Receive Data- EnodeB Configuration Update Failure.	Receive s1ap enodb configuration update failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-msgencfail	INT32	Incremental	active	S1AP Stats-Receive Data- S1AP Msg Encode Failure.	Receive s1ap S1AP msg encode failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-erabsetupreq	INT32	Incremental	active	S1AP Stats-Receive Data-E-RAB Setup Request.	Receive s1ap ERAB setup request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-erabmodreq	INT32	Incremental	active	S1AP Stats-Receive Data-E-RAB Modify Request.	Receive s1ap ERAB modify request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-erabrelcom	INT32	Incremental	active	S1AP Stats-Receive Data-E-RAB Release Command.	Receive s1ap ERAB release command.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ctxtsetupreq	INT32	Incremental	active	S1AP Stats-Receive Data-Initial Context Setup Request.	Receive s1ap initial context setup request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-uectxtrelcom	INT32	Incremental	active	S1AP Stats-Receive Data-UE Context Release Command.	Receive s1ap UE context release command.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-recdata-uectxtmodreq	INT32	Incremental	active	S1AP Stats-Receive Data-UE Context Modify Request.	Receive s1ap UE context modify request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-dlinknastp	INT32	Incremental	active	S1AP Stats-Receive Data-Downlink NAS Transport.	Receive s1ap downlink NAS transport.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-errorind	INT32	Incremental	active	The total number of S1 Application Protocol - receive data - error indications.	Not Defined	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-hocom	INT32	Incremental	active	S1AP Stats-Receive Data- Handover Command.	Receive s1ap handover command.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-hoprepfail	INT32	Incremental	active	S1AP Stats-Receive Data- Handover Prep Fail.	Receive s1ap handover prep failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-horeq	INT32	Incremental	active	S1AP Stats-Receive Data- Handover Request.	Receive s1ap handover request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-hocancelack	INT32	Incremental	active	S1AP Stats-Receive Data-Handover Cancel Acknowledge.	Receive s1ap handover cancel acknowledge.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-pathswreqack	INT32	Incremental	active	S1AP Stats-Receive Data-Path Switch Request Acknowledge.	Receive s1ap path switch request acknowledge.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-pathswreqfail	INT32	Incremental	active	S1AP Stats-Receive Data-Path Switch Request Failure.	Receive s1ap path switch request failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-dlinktunnel	INT32	Incremental	active	S1AP Stats-Receive Data-Downlink S1 CDMA2000.	Receive s1ap downlink S1 CDMA2000.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-tracesta	INT32	Incremental	active	S1AP Stats-Receive Data-Trace Start.	Receive s1ap trace start.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-deactivatetrace	INT32	Incremental	active	S1AP Stats-Receive Data-Deactivate Trace.	Receive s1ap deactivate trace.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-locrepcon	INT32	Incremental	active	S1AP Stats-Receive Data-Location Report Control.	Receive s1ap -location report control.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-encfail	INT32	Incremental	active	S1AP Stats-Receive Data- S1AP Encode Failure.	Receive s1ap encode failure.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-mmestatfr	INT32	Incremental	active	S1AP Stats-Receive Data- MME Status Transfer.	Receive s1ap MME status transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-mmecfgupd	INT32	Incremental	active	S1AP Stats-Receive Data-MME Config Update.	Receive s1ap MME config update.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-mmecfgtfr	INT32	Incremental	active	S1AP Stats-Receive Data- MME Config Transfer.	Receive s1ap MME config transfer.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-killreq	INT32	Incremental	active	S1AP Stats- Receive Data-Kill Request.	Receive s1ap kill request.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-nonue-lppatpt	INT32	Incremental	active	S1AP Stats- Receive Data-Downlink Non-UE LPPaTpt.	Receive s1ap downlink non UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ue-lppatpt	INT32	Incremental	active	S1AP Stats- Receive Data-Downlink UE LPPaTpt.	Receive s1ap downlink UE LPPaTpt.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-wrwreq	INT32	Incremental	active	Indicates the reception of S1AP Write Replace Warning Request from MME.	Reception of S1AP Write Replace Warning Request from MME.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-ratecontrol-pagingdrop	INT32	Incremental	active	S1AP Stats - Rate-Control Statistics - Paging Drops.	S1ap paging message drop.	Across all HeNB-GW Access services.	Standard
henbgw-network	mme-totassoc	INT32	Gauge	active	MME Statistics - Total MME Associations.	MME association add/delete.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Radio unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Transmit data -TX2 timer expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Successful handover.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Release dueto E-UTRAN generated reason cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-transdata-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover cancelled cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Partial handover cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover fail in target EPC /heNB or target system cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover target not allowed cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Transmit data - TS1 RELOCOverall expiry cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Transmit data - TS1 RELOCPreparation expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Cell not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown target id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Radio resorce not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or already allocated MME-UE-S1AP ID cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or already allocated eNb-UE-S1AP ID cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown or inconsistent pair of UE S1AP ID cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Handover desirable for radio reason cause .	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Time critical handover cause.	On transmit of S1AP message with cause IE	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Resource optimisation handover cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Reduce load in serving cell cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Transmit data - User inactivity cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Transmit data - radio connectivity with UE lost cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Transmit data - load balancing TAU required cause.	On transmit of S1AP message with cause IE.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-transdata-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Transmit data - CS fallback triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Transmit data - UE notavailable for PS service cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Radio resource not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Fail in Radio interface procedure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Transmit data - invalid QOS cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Inter-RAT redirection cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Interaction with other procedure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown ERAB id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-transdata-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Multiple E-RAB id instances cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Encryption and/or integrity protection algorithms not supported cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - S1 Intrasystem handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - S1 Intersysem handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Transmit data - X2 handover triggered cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Redirection towards 1XRTT cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unsupported QCI cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Invalid CSG id cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Transmit data - transport resource not available cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data -transport unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Normal release cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Authentication failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-detach	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Detach cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data - NAS unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Transmit data - CSG subscription expiry cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Transfer syntax error.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Abstract syntax error - Reject cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Abstract syntax error-Ignore and notify cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Message not compatible with receiver state cause.	On transmit of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Semantic error cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Falsely constructed message cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Protocol unspecified cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Control processing overload cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Transmit data -Not enough user plane processing resources cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-hw-failure	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Hardware failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Transmit data - O&M intervention cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-transdata-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unspecified failure cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-transdata-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Transmit data - Unknown PLMN cause.	On transmit of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Radio Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TX2RELOCOverall Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Successful Handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Release due to E-UTRAN Generated Reason cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Cancelled cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Partial Handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Failure In Target EPC/eNB Or Target System cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Handover Target not allowed cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TS1RELOCoverall Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Recieve data -TS1RELOCprep Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Cell not available cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Unknown Target ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Recieve data -No Radio Resources Available in Target Cell cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown or already allocated MME UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown or already allocated eNB UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Unknown or inconsistent pair of UE S1AP ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Handover desirable for radio reasons cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Time critical handover cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Resource optimisation handover cause.	On receiving of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Reduce load in serving cell cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Recieve data -User inactivity cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Radio Connection With UE Lost cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Load Balancing TAU Required cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Recieve data -CS Fallback Triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Recieve data - UE Not Available For PS Service cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Radio resources not available cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-recdata-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Failure in the Radio Interface Procedure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Invalid QoS combination cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Inter-RAT redirection cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Interaction with other procedure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unknown E-RAB ID cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Multiple E-RAB ID instances cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Encryption and/or integrity protection algorithms not supported cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data -S1 intra system Handover triggered.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data - S1 inter system Handover triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Recieve data -X2 Handover triggered cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Redirection towards 1xRTT cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Not supported QCI value cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Recieve data -invalid CSG Id cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Transport Resource Unavailable cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Transport Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Normal Release cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Authentication failure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-detach	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Detach cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data - NAS Unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Recieve data -CSG Subscription Expiry cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Transfer Syntax Error cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Abstract Syntax Error - Reject cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Abstract Syntax Error Ignore and Notify cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Message not Compatible with Receiver State cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Semantic Error cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Abstract Syntax Error Falsely Constructed Message cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Protocol unspecified cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-recdata-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Control Processing Overload cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Recieve data -Not enough User Plane Processing Resources cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-hw-failure	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Hardware Failure cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Recieve data - O&M Intervention cause.	On receiving of S1AP message with cause IE.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Recieve data - Unspecified failure cause.	On receiving of S1AP message with cause IE	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-recdata-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Raadio unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-radio-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Raadio unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-tx2-expiry	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TX2RELOCOverall Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-successful-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Successful Handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-rel-dueto-eutran	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Release due to E-UTRAN Generated Reason cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ho-cancelled	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover Cancelled cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-partial-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Partial Handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ho-fail-in-epc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover Failure In Target EPC/eNB Or Target System cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ho-target-not-allowed	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Handover Target not allowed cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ts1overall-exp	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TS1RELOCoverall Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ts1prep-expiry	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - TS1RELOCprep Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-cell-not-available	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Cell not available cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-unknown-target-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown Target ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-radio-resrc-not-available	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -No Radio Resources available in Target Cell cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-unknown-mmeues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or already allocated MME UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-gwgen-data-unknown-enbues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or already allocated eNB UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-gwgen-data-unknown-pairues1ap-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown or inconsistent pair of UE S1AP ID cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-gwgen-data-ho-desirable-for-radio-reason	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Handover desirable for radio reasons cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-time-critical-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Time critical handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-res-optimisation-ho	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Resource optimisation handover cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-reduce-load	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Reduce load in serving cell cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-usr-inactivity	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -User inactivity cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-radio-conn-lost	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Radio Connection With UE Lost cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-gwgen-data-loadbal-tau-req	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Load Balancing TAU Required cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-gwgen-data-cs-fallback	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - CS Fallback Triggered cause.	When gateway generates a failure message/error indication with cause.	Across HeNB-GW Access	Standard
henbgw-network	s1ap-gwgen-data-ue-not-avai-for-ps-service	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - UE Not Available For PS Service cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-radio-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Radio resources not available cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-fail-in-radio-intf-proc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Failure in the Radio Interface Procedure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-invalid-qos	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Invalid QoS combination cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-interrat-redirction	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Inter-RAT redirection cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-interaction-with-other-proc	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Interaction with other procedure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-unknown-erab	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -, Unknown E-RAB ID cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-multiple-erab-id	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Multiple E-RAB ID instances cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-gwgen-data-encryption-algo-not-supprtd	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Encryption and/or integrity protection algorithms not supported cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-intrasys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -S1 intra system Handover triggered cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-intersys-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - S1 inter system Handover triggered.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-x2-ho-triggered	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -X2 Handover triggered cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-redir-towards-1xrtt	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Redirection towards 1xRTT cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-unsupported-qci	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Not supported QCI value cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-invalid-csg	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -invalid CSG Id cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-trnspt-res-unavailable	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Transport Resource Unavailable cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-trnspt-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Transport Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-normal-rel	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Normal Release cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-auth-fail	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Authentication failure cause.	Indicates S1AP stats - Gateway generated data - Authentication failure cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-detach	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Detach cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-nas-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - NAS Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-csg-subscription-exp	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - CSG Subscription Expiry cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-trnsfr-syn-err	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Transfer Syntax Error cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ase-reject	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Abstract Syntax Error Reject cause.	When gateway generates a failure /error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-ase-ignore-notify	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Abstract Syntax Error Ignore and Notify cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-msg-not-compatible	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Message not Compatible with Receiver State cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
henbgw-network	s1ap-gwgen-data-semantic-err	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Semantic Error cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-falselyconstr-msg	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Falsely Constructed Message cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-protocol-unspecified	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Protocol Unspecified cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-control-proc-overload	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Control Processing Overload cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-insufficient-usrplane-res	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data - Not enough User Plane Processing Resources cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-hw-failure	INT32	Incremental	active	When gateway generates a failure message/error indication with cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-om-intervention	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -O&M Intervention cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	s1ap-gwgen-data-unspecified-failure	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unspecified failure cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
henbgw-network	failure	INT32	Incremental	active	failure cause.	indication with cause.	Access services.	Standard
henbgw-network	s1ap-gwgen-data-unknown-plmn	INT32	Incremental	active	Indicates S1AP stats -Gateway generated data -Unknown PLMN cause.	When gateway generates a failure message/error indication with cause.	Across all HeNB-GW Access services.	Standard
hss	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hss	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HSS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hss	servname	STRING	Primary-key	active	The name of the HSS service for which these statistics are being displayed.	Configuration	Per HSS Service	Standard
hss	servid	INT32	Primary-key	active	The identification number of the HSS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per HSS Service	Standard
hss	sess-cur	INT32	Gauge	active	The total number of sessions currently established on this system	Not Defined	Per HSS Service	Standard
hss	sess-failover	INT32	Incremental	active	The total number of session failovers occurring on the HSS peer service.	Not Defined	Not Defined	Standard
hss	sess-start	INT32	Incremental	active	The total number os sessions started on the HSS peer service.	Not Defined	Not Defined	Standard
hss	sess-update	INT32	Incremental	active	The total number of sessions updated on the HSS peer service.	Not Defined	Not Defined	Standard
hss	sess-terminate	INT32	Incremental	active	The total number of sessions that were terminated on the HSS peer service.	Not Defined	Not Defined	Standard
hss	msg-ul-req	INT32	Incremental	active	The total number of Update Location Request messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-ul-ans	INT32	Incremental	active	The total number of Update Location Answer messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-ulr-retries	INT32	Incremental	active	The total number of Update Location Request Retry messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-ula-timeout	INT32	Incremental	active	The total number of Update Location Answer Timeout messages received by the HSS peer service fromthe HSS.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hss	msg-ula-drop	INT32	Incremental	active	The total number of Update Location Answer Dropped messages received by the HSS peer service fromthe HSS.	Not Defined	Not Defined	Standard
hss	msg-pu-req	INT32	Incremental	active	The total number of Purge UE Request messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-pu-ans	INT32	Incremental	active	The total number of Purge UE Answer messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-pur-retries	INT32	Incremental	active	The total number of Purge UE Request Retry messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-pua-timeout	INT32	Incremental	active	The total number of Purge UE Answer Timeout messages received by the HSS peer service from theHSS.	Not Defined	Not Defined	Standard
hss	msg-pua-drop	INT32	Incremental	active	The total number of Purge UE Answer Dropped messages received by the HSS peer service from theHSS.	Not Defined	Not Defined	Standard
hss	msg-ai-req	INT32	Incremental	active	The total number of Authentication Information Request messages sent by the HSS peer service to theHSS.	Not Defined	Not Defined	Standard
hss	msg-ai-ans	INT32	Incremental	active	The total number of Authentication Information Answer messages received by the HSS peer service fromthe HSS.	Not Defined	Not Defined	Standard
hss	msg-air-retries	INT32	Incremental	active	The total number of Authentication Information Request Retry messages sent by the HSS peer service tothe HSS.	Not Defined	Not Defined	Standard
hss	msg-aia-timeout	INT32	Incremental	active	The total number of Authentication Information Answer Timeout messages received by the HSS peerservice from the HSS.	Not Defined	Not Defined	Standard
hss	msg-aia-drop	INT32	Incremental	active	The total number of Authentication Information Answer Dropped messages received by the HSS peerservice from the HSS.	Not Defined	Not Defined	Standard
hss	msg-cl-req	INT32	Incremental	active	The total number of Cancel Location Request messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-cl-ans	INT32	Incremental	active	The total number of Cancel Location Answer messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-clr-retries	INT32	Incremental	active	The total number of Cancel Location Request Retry messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-cla-timeout	INT32	Incremental	active	The total number of Cancel Location Answer Timeout messages received by the HSS peer service fromthe HSS.	Not Defined	Not Defined	Standard
hss	msg-cla-drop	INT32	Incremental	active	The total number of Cancel Location Answer Dropped messages received by the HSS peer service fromthe HSS.	Not Defined	Not Defined	Standard
hss	msg-isd-req	INT32	Incremental	active	The total number of Insert Subscriber Data Request messages received by the HSS peer service from theHSS.	Not Defined	Not Defined	Standard
hss	msg-isd-ans	INT32	Incremental	active	The total number of Insert Subscriber Data Answer messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-isdr-retries	INT32	Incremental	active	The total number of Insert Subscriber Data Request Retry messages received by the HSS peer servicefrom the HSS.	Not Defined	Not Defined	Standard
hss	msg-isdr-curr-loc	INT32	Incremental	active	The total number of Insert Subscriber Data Request messages with Bit 3 and 4 set in the IDR flags and received by the peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-isda-timeout	INT32	Incremental	active	The total number of Insert Subscriber Data Answer Timeout messages sent by the HSS peer service tothe HSS.	Not Defined	Not Defined	Standard
hss	msg-isda-cached-location	INT32	Incremental	active	Total number of Insert Subscriber Data Answer messages with cached UE location sent in response to ISDR which had Bit 3 and 4 set in the IDR flags and received by the peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-isda-drop	INT32	Incremental	active	The total number of Insert Subscriber Data Answer Dropped messages sent by the HSS peer service tothe HSS.	Not Defined	Not Defined	Standard
hss	msg-dsd-req	INT32	Incremental	active	The total number of Delete Subscriber Data Request messages received by the HSS peer service from theHSS.	Not Defined	Not Defined	Standard
hss	msg-dsd-ans	INT32	Incremental	active	The total number of Delete Subscriber Data Answer messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hss	msg-dsdr-retries	INT32	Incremental	active	The total number of Delete Subscriber Data Request Retry messages received by the HSS peer servicefrom the HSS.	Not Defined	Not Defined	Standard
hss	msg-dsda-timeout	INT32	Incremental	active	The total number of Delete Subscriber Data Answer Timeout messages sent by the HSS peer service tothe HSS.	Not Defined	Not Defined	Standard
hss	msg-dsda-drop	INT32	Incremental	active	The total number of Delete Subscriber Data Answer Dropped messages sent by the HSS peer service tothe HSS.	Not Defined	Not Defined	Standard
hss	msg-r-req	INT32	Incremental	active	The total number of Reset Request messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-r-ans	INT32	Incremental	active	The total number of Reset Answer messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-rr-retries	INT32	Incremental	active	The total number of Reset Request Retry messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-ra-timeout	INT32	Incremental	active	The total number of Reset Answer Timeout messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-ra-drop	INT32	Incremental	active	The total number of Reset Answer Dropped messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-r-broadcast	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
hss	msg-r-broadcast-ans	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
hss	msg-n-req	INT32	Incremental	active	The total number of Notify Request messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-n-ans	INT32	Incremental	active	The total number of Notify Answer messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-nr-retries	INT32	Incremental	active	The total number of Notify Request Retry messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-na-timeout	INT32	Incremental	active	The total number of Notify Answer Timeout messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-na-drop	INT32	Incremental	active	The total number of Notify Answer Dropped messages received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msg-mic-req	INT32	Incremental	active	The total number of Mobile Identity Check Request messages sent by the HSS peer service to the HSS.	Not Defined	Not Defined	Standard
hss	msg-mic-ans	INT32	Incremental	active	The total number of Mobile Identity Check Answer messages received by the HSS peer service from theHSS.	Not Defined	Not Defined	Standard
hss	msg-micr-retries	INT32	Incremental	active	The total number of Mobile Identity Check Request Retry messages sent by the HSS peer service to theHSS.	Not Defined	Not Defined	Standard
hss	msg-mica-timeout	INT32	Incremental	active	The total number of Mobile Identity Check Answer Timeout messages received by the HSS peer servicefrom the HSS.	Not Defined	Not Defined	Standard
hss	msg-mica-drop	INT32	Incremental	active	The total number of Mobile Identity Check Answer Dropped messages received by the HSS peer serviceto the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-unable-to-comply	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Unable To Complyreceived by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-auth-data-unavailable	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Auth Data Unavailable received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-user-unknown	INT32	Incremental	active	The total number of times the PLR was received for an unknown user (Error code: 5001).	Not Defined	Not Defined	Standard
hss	msgerror-equipment-unknown	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Equipment Unknown received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-unknow-eps-subscription	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Unknown EPS Subscription received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hss	msgerror-rat-not-allowed	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code RAT Not Allowed received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-authorization-rejected	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Authorization Rejected received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-roaming-not-allowed	INT32	Incremental	active	The total number of Update Location Answer messages containing the result code Roaming Not Allowed received by the HSS peer service from the HSS.	Not Defined	Not Defined	Standard
hss	msgerror-other-errors	INT32	Incremental	active	The total number of PLA messages received with other error result codes.	Not Defined	Not Defined	Standard
imsa	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
imsa	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the IMSA service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
imsa	servname	STRING	Primary-key	active	The name of the IMSA service for which these statistics are being displayed.	Configuration	Per IMSA Service	Standard
imsa	servid	INT32	Primary-key	active	The identification number of the IMSA service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per IMSA Service	Standard
imsa	active-fallback-sess	INT32	Gauge	active	Total number of assume positive sessions currently active on Gx interface	Increments when assume positive session is created Decrements when assume positive session is terminated	Per IMS authorization service	Standard
imsa	total-fallback-sess	INT32	Incremental	active	Cumulative number of assume positive sessions on Gx	Increments when the subscriber session enters into assume positive state	Per IMS authorization service	Standard
imsa	dpca-cursess	INT32	Gauge	active	The total number of DPCA sessions currently active on this system.	Increments when DPCA session is created, Decrements when DPCA session is terminated	Per IMS authorization service	Standard
imsa	dpca-fallback-sessions	INT32	Incremental	active	The total number of DPCA sessions that successfully fall back to PCRF.	Increments when DPCA session falls back to PCRF	Per IMS authorization service	Standard
imsa	dpca-imsaadd	INT32	Incremental	active	The total number of DPCA sessions created.	Increments when DPCA receives a create request	Per IMS authorization service	Standard
imsa	dpca-start	INT32	Incremental	active	The total number of CCR Initial request messages sent.	Increments whenever CCR-I message is sent	Per IMS authorization service	Standard
imsa	dpca-seccreate	INT32	Incremental	active	The total number of UE Initiated Secondary contexts created in the system.	Increments when a UE initiated secondary bearer is created	Per IMS authorization service	Standard
imsa	dpca-secterm	INT32	Incremental	active	The total number of secondary contexts deleted for DPCA sessions on this system.	Increments when a UE initiated secondary bearer is terminated	Per IMS authorization service	Standard
imsa	dpca-sessupd	INT32	Incremental	active	The total number of updates to DPCA sessions on this system.	Increments whenever a CCR-U message is sent	Per IMS authorization service	Standard
imsa	dpca-term	INT32	Incremental	active	The total number of DPCA sessions terminated.	Increments when a IMSA session is terminated	Per IMS authorization service	Standard
imsa	dpca-msg-recv	INT32	Incremental	active	The total number of DPCA messages received by IMS authorization services configured on this system.	Increments whenever any DPCA message is received	Per IMS authorization service	Standard
imsa	dpca-msg-sent	INT32	Incremental	active	The total number of DPCA messages sent by IMS authorization services configured on this system.	Increments whenever any DPCA message is sent out of the chassis	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-msg-ccr	INT32	Incremental	active	The total number of DPCA credit control request messages sent by IMS authorization services configured on this system.	Increments when a CCR message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-cca	INT32	Incremental	active	The total number of DPCA credit control answer messages received by IMS authorization services configured on this system.	Increments when a CCA message is received	Per IMS authorization service	Standard
imsa	dpca-msg-ccrinit	INT32	Incremental	active	The total number of initial DPCA credit control request messages sent by IMS authorization services configured on this system.	Increments when a CCR-I message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-ccainit	INT32	Incremental	active	The total number of initial DPCA credit control accept messages received by IMS authorization services configured on this system.	Increments when a CCA-I message is received	Per IMS authorization service	Standard
imsa	dpca-msg-ccainitacc	INT32	Incremental	active	The total number of initial DPCA credit control accept messages accepted in response to initial credit control request messages sent by IMS authorization services configured on this system.	Increments when a CCA-I message is accepted	Per IMS authorization service	Standard
imsa	dpca-msg-ccainitrej	INT32	Incremental	active	The total number of initial DPCA credit control accept messages rejected in response to initial credit control request messages sent by IMS authorization services configured on this system.	Increments when a CCA-I message is rejected	Per IMS authorization service	Standard
imsa	dpca-msg-ccainitdrop	INT32	Incremental	active	The total number of CCA-Initial messages which are dropped due to S-GW restoration, DPCA is off or not present or if the IMSA session is in preservation mode.	Increments when a CCA-I message is dropped	Per IMS authorization service	Standard
imsa	dpca-msg-ccrupd	INT32	Incremental	active	The total number of CCR Update messages sent.	Increments when a CCR-U message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-ccaupd	INT32	Incremental	active	The total number of CCA Update messages received.	Increments when a CCA-U message is received	Per IMS authorization service	Standard
imsa	dpca-msg-ccaupderror	INT32	Incremental	active	The total number of DPCA credit control accept messages received in response to credit control request update error messages sent by IMS authorization services configured on this system.	Increments when there is an error in CCA-U message	Per IMS authorization service	Standard
imsa	dpca-msg-ccaupddrop	INT32	Incremental	active	The total number of CCA-Update messages which are dropped due to S-GW restoration, DPCA is off or not present or if the IMSA session is in preservation mode.	Increments when a CCA-U message is dropped	Per IMS authorization service	Standard
imsa	dpca-msg-ccrfin	INT32	Incremental	active	The total number of CCR Terminate messages sent.	Increments when CCR-T message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-ccafin	INT32	Incremental	active	The total number of final DPCA credit control accept messages received in response to final credit control request messages sent by IMS authorization services configured on this system.	Increments when CCA-T message is received	Per IMS authorization service	Standard
imsa	dpca-msg-ccafinerror	INT32	Incremental	active	The total number of final DPCA credit control accept messages received in response to final credit control request error messages sent by IMS authorization services configured on this system.	Increments when there is an error in CCA-T message	Per IMS authorization service	Standard
imsa	dpca-msg-ccafindrop	INT32	Incremental	active	The total number of CCA-T messages which are dropped due to S-GW restoration, DPCA is off or not present or if the IMSA session is in preservation mode.	Increments when a CCA-T is dropped	Per IMS authorization service	Standard
imsa	dpca-msg-asr	INT32	Incremental	active	The total number of DPCA Abort-Session-Request messages received by IMS Authorization services configured on this system.	Increments when ASR message is sent (Not supported for 3GPP Rel. 7 standard and higher)	Per IMS authorization service	Standard
imsa	dpca-msg-asa	INT32	Incremental	active	The total number of DPCA Abort-Session-Accept messages sent in response to Abort-Session-Request messages received by IMS Authorization services configured on this system.	Increments when ASA message is received	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-msg-rar	INT32	Incremental	active	The total number of Re-Auth-Request messages received by IMS Authorization services configured on this system.	Increments when RAR message is received	Per IMS authorization service	Standard
imsa	dpca-msg-raa	INT32	Incremental	active	The total number of DPCA Re-Auth-Accept messages sent in response to Re-Auth-Request messages received by IMS Authorization services configured on this system.	Increments when RAA message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-raa-ccr-collision	INT32	Incremental	active	The total number of DPCA Re-Auth-Accept messages sent in response to Re-Auth-Request (RAR) messages received when there is an outstanding Credit Control Request (CCR) message.	Increments when RAA message is sent	Per IMS authorization service	Standard
imsa	dpca-msg-ccainitfail	INT32	Incremental	active	The total number of CCA-Initial Failures.	Increments when failure cb is invoked for CCR-Initial due to parse error at diabase.	Per IMS authorization service	Standard
imsa	dpca-msg-ccaupdfail	INT32	Incremental	active	The total number of CCA-Update Failures.	Increments when failure cb is invoked for CCR-Update due to parse error at diabase.	Per IMS authorization service	Standard
imsa	dpca-msg-ccafinfail	INT32	Incremental	active	The total number of CCA-T Failures.	Increments when failure cb is invoked for CCR-Final due to parse error at diabase.	Per IMS authorization service	Standard
imsa	dpca-msg-sgw-restore-rar-reject	INT32	Incremental	active	The total number of RAR messages that were not processed during S-GW restoration.	Increments when RAR message is not processed during S-GW restoration, that is, RAR from the PCRF is rejected with result-code 5012 (UNABLE_TO_COMPLY).	Per IMS authorization service	Standard
imsa	dpca-msg-sgw-restore-reval-timeout	INT32	Incremental	active	The total number of DPCA messages fired due to revalidation timer running and that were not sent towards PCRF when S-GW is down.	Increments when the revalidation timer is fired when S-GW is down, and no update is sent towards PCRF.	Per IMS authorization service	Standard
imsa	dpca-msg-sgw-restore-pending-updates	INT32	Incremental	active	The total number of CCR-Us dropped when S-GW is down and update is received from SM/ECS.	Increments when CCR-Us are dropped when S-GW is down and update is received from SM/ECS.	Per IMS authorization service	Standard
imsa	dpca-msg-sgw-restore-sync-req	INT32	Incremental	active	The total number of DPCA messages received with S-GW restoration sycn request at IMSA service level	Increments when a DPCA message is received with S-GW restoration sycn request at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-msg-sgw-restore-rar-accepted-rule-rem	INT32	Incremental	active	The total number of times the P-GW accepted RAR with rule removals from the PCRF during S-GW Restoration.	Increments when the P-GW accepts RAR with rule removals from the PCRF during S-GW Restoration	Per P-GW Service	Standard
imsa	dpca-msg-sgw-restore-rar-accepted-sess-rel	INT32	Incremental	active	The total number of times the P-GW accepted RAR with Session Release Cause from the PCRF during S-GW Restoration.	Increments when the P-GW accepts RAR with Session Release Cause from the PCRF during S-GW Restoration.	Per P-GW service	Standard
imsa	dpca-msg-sgw-restore-raa-sent	INT32	Incremental	active	The total number of times the S-GW restoration reported in RAA to the PCRF during S-GW Restoration.	Increments when the S-GW restoration is reported in RAA to the PCRF	Per P-GW service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-msg-sgw-restore-ccr-update-sent	INT32	Incremental	active	The total number of times the S-GW restoration reported in CCR-U to the PCRF during S-GW Restoration.	Increments when the S-GW restoration is reported in CCR-U to the PCRF.	Per P-GW service	Standard
imsa	dpca-msg-sgw-restore-ccau-dropped	INT32	Incremental	active	The total number of times the P-GW dropped CCA-U during S-GW Restoration.	Increments when the P-GW drops CCA-U during S-GW Restoration.	Per P-GW service	Standard
imsa	dpca-msg-sgw-restore-ccau-accepted-rule-rem	INT32	Incremental	active	The total number of times the P-GW accepted CCA-U with rule removals from the PCRF during S-GW Restoration.	Increments when the P-GW accepts CCA-U with rule removals from the PCRF during S-GW Restoration.	Per P-GW service	Standard
imsa	dpca-msg-sgw-restore-ccau-accepted-sess-rel	INT32	Incremental	active	The total number of times the P-GW accepted CCA-U with Session Release Cause from the PCRF during S-GW Restoration.	Increments when the P-GW accepts CCA-U with Session Release Cause from the PCRF during S-GW Restoration.	Per P-GW service	Standard
imsa	dpca-msg-irat-raa-reject	INT32	Incremental	active	The total number of DPCA Re-Auth-Accept messages sent in response to Re-Auth-Request (RAR) messages received from PCRF during S2b handoff.	Increments when RAA message is sent	Per IMS authorization service	Standard
imsa	dpca-msgerr-proto	INT32	Incremental	active	The total number of Diameter protocol error messages received by IMS Authorization services configured on this system.	Increments when result code of 3xxx is received	Per IMS authorization service	Standard
imsa	dpca-msgerr-badans	INT32	Incremental	active	The total number of bad response/answer error messages received by IMS Authorization services configured on this system.	Increments when a bad answer error message is received	Per IMS authorization service	Standard
imsa	dpca-msgerr-unksessreq	INT32	Incremental	active	The total number of error messages related to unknown session requests received by IMS Authorization services configured on this system.	Increments when RAR message is received for an unknown session	Per IMS authorization service	Standard
imsa	dpca-msgerr-unkcomm	INT32	Incremental	active	The total number of error messages related to unknown command codes received by IMS Authorization services configured on this system.	Increments when a message with unknown command code is received	Per IMS authorization service	Standard
imsa	dpca-msgerr-unsupcomm	INT32	Incremental	active	The total number of error messages related to unknown failure handling received by IMS Authorization services configured on this system.	Increments when an unsupported command is received	Per IMS authorization service	Standard
imsa	dpca-term-diamlogout	INT32	Incremental	active	The total number of DPCA session terminations due to Diameter logouts.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-servnotprov	INT32	Incremental	active	The total number of DPCA session terminations due to unavailability of service.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-badans	INT32	Incremental	active	The total number of DPCA session terminations due to bad responses/answers.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-admin	INT32	Incremental	active	The total number of DPCA session terminations due to administrative reasons.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-linkbroken	INT32	Incremental	active	The total number of DPCA session terminations due to a broken link.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-authexp	INT32	Incremental	active	The total number of DPCA session terminations due to expired authorization.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-usermoved	INT32	Incremental	active	The total number of DPCA session terminations due to the subscriber moving to an unknown or non-serviceable area.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-term-sesstmo	INT32	Incremental	active	The total number of DPCA session terminations due to sessions timing out.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-authrej	INT32	Incremental	active	The total number of DPCA session terminations due to the authorization being rejected.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-term-other	INT32	Incremental	active	The total number of DPCA session terminations due to unknown reasons or reasons not listed above.	Increments when a CCR-T message is sent with this term cause	Per IMS authorization service	Standard
imsa	dpca-expres-errinitparam	INT32	Incremental	active	The number of times DIAMETER_ERROR_INITIAL_PARAMETERS (5140) Experimental-Result-Code value was received in the Diameter CCA.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-errtrigevt	INT32	Incremental	active	The number of times DIAMETER_ERROR_TRIGGER_EVENT (5141) Experimental-Result-Code value was received in the Diameter CCA.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-bearnotauth	INT32	Incremental	active	The number of times DIAMETER_ERROR_BEARER_NOT_AUTHORIZED (5143) Experimental-Result-Code value was received in the Diameter CCA.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-trafmaprej	INT32	Incremental	active	The number of times DIAMETER_ERROR_TRAFFIC_MAPPING_INFO_REJECTED (5144) Experimental-Result-Code value was received in the Diameter CCA.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-pccruleevt	INT32	Incremental	active	The number of times DIAMETER_PCC_RULE_EVENT (5142) Experimental-Result-Code value was sent in the Diameter Re-Auth-Request (RAR).	Increments when a RAA message is sent with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-conflictingreq	INT32	Incremental	active	The number of Gx Experimental Result code. DIAMETER_ERROR_CONFLICTING_REQUEST (5147) error is used when the PCRF cannot accept the UE-initiated resource request as a network-initiated resource allocation is already in progress that covers the packet filters in the received UE-initiated resource request. The PCEF rejects the attempt for UE-initiated resource request.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-bearerevt	INT32	Incremental	active	Tracks the number of Gx Experimental Transient Failures. DIAMETER_PCC_BEARER_EVENT (4141) error is used when for some reason a PCC rule cannot be enforced or modified successfully in a network initiated procedure. Affected PCC-Rules will be provided in the Charging-Rule-Report AVP including the reason and status. This is a Transient Failure.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-badrescode	INT32	Incremental	active	The number of times an unknown Experimental-Result-Code value (apart from the ones recognized in CCA that are listed above PCC Rule Event) was received in the Diameter CCA.	Increments when this experimental result code is received in a CCA message	Per IMS authorization service	Standard
imsa	dpca-expres-pcrf-too-busy	INT32	Incremental	active	Tracks the number of Gx Experimental Transient Failures. DIAMETER_PCRF_TOO_BUSY (4199) error is used when the PCRF is unable to process the CCR message due to transient failures.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-expres-overload-ctrl-ccai	INT32	Incremental	active	Total number of times the Experimental-Result-Code DIAMETER_OVERLOAD_RETRY_NOT_ALLOWED_TO_ANY (5198) is received in CCA-I.	Increments when the experimental result-code 5198 is received in CCA-I message for Gx	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-expres-overload-ctrl-ccau	INT32	Incremental	active	Total number of times the Experimental-Result-Code DIAMETER_OVERLOAD_RETRY_NOT_ALLOWED_TO_ANY (5198) is received in CCA-U.	Increments when the experimental result-code 5198 is received in CCA-U message for Gx	Per IMS authorization service	Standard
imsa	dpca-expres-overload-ctrl-ccat	INT32	Incremental	active	Total number of times the Experimental-Result-Code DIAMETER_OVERLOAD_RETRY_NOT_ALLOWED_TO_ANY (5198) is received in CCA-T.	Increments when the experimental result-code 5198 is received in CCA-T message for Gx	Per IMS authorization service	Standard
imsa	dpca-expres-sess-rcvry-req	INT32	Incremental	active	The total number of of CCAs received with session recovery request experimental result code at IMSA service level	Increments when a CCA is received with session recovery request experimental result code at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-expres-gx-apn-change	INT32	Incremental	active	The total number of CCAs received with gx apn change experiemental result code at IMSA service level	Increments when a CCA is received with gx apn change experiemental result code at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-peer-switch	INT32	Incremental	active	The total number of peer switches attempted.	Increments when performing a peer switch	Per IMS authorization service	Standard
imsa	dpca-peer-switch-done	INT32	Incremental	active	The total number of peer switches successful.	Increments when a peer switch is done	Per IMS authorization service	Standard
imsa	dpca-peer-switch-tx	INT32	Incremental	active	Total number of peer switches due to Tx timeout.	Increments when a peer switch is done due to Tx expiry	Per IMS authorization service	Standard
imsa	dpca-peer-switch-rar	INT32	Incremental	active	Total number of peer switches due to change in peer after RAR is recieved from a different peer.	Increments when a peer switch is done due to change in peer after RAR is recieved from a different peer.	Per IMS authorization service	Standard
imsa	dpca-ccai-timeout	INT32	Incremental	active	The total number of CCA-I message timeouts.	Increments when Tx timer expires for CCA-I	Per IMS authorization service	Standard
imsa	dpca-ccri-send-error	INT32	Incremental	active	The total number of CCR-I message send errors (DIABASE ERRORS), since the TCP connection to the peer is no longer available.	Increments when there is an error in sending CCR-I message	Per IMS authorization service	Standard
imsa	dpca-ccai-unh-unk-rcode	INT32	Incremental	active	The total number of CCA-I messages received with unknown or unhandled result codes which have initiated the failure handling procedure configured for the any-error scenario.	Increments when there is an unknown result code in CCA-I message	Per IMS authorization service	Standard
imsa	dpca-ccai-err-rcode	INT32	Incremental	active	The total number of CCA-I messages received with error result codes which have initiated the failure handling procedure configured for a particular or range of result codes.	Increments when there is a known error code in CCA-I message	Per IMS authorization service	Standard
imsa	dpca-ccau-timeout	INT32	Incremental	active	The total number of CCA-U message timeouts.	Increments when Tx timer expires for CCA-U	Per IMS authorization service	Standard
imsa	dpca-ccru-send-error	INT32	Incremental	active	The total number of CCR-U message send errors (DIABASE ERRORS), since the TCP connection to the peer is no longer available.	Increments when there is a diabase error while sending CCR-U message	Per IMS authorization service	Standard
imsa	dpca-ccau-unh-unk-rcode	INT32	Incremental	active	The total number of CCA-U messages received with unknown or unhandled result codes which have initiated the failure handling procedure configured for the any-error scenario.	Increments when there is an unknown result code in CCA-U message	Per IMS authorization service	Standard
imsa	dpca-ccau-err-rcode	INT32	Incremental	active	The total number of CCA-U messages received with error result codes which have initiated the failure handling procedure configured for a particular or range of result codes.	Increments when there is a known error code in CCA-U message	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-ccat-timeout	INT32	Incremental	active	The total number of CCA-T message timeouts.	Increments when Tx timer expires for CCA-T	Per IMS authorization service	Standard
imsa	dpca-ccrt-send-error	INT32	Incremental	active	The total number of CCR-T message send errors (DIABASE ERRORS), since the TCP connection to the peer is no longer available.	Increments when there is a diabase error while sending CCR-T message	Per IMS authorization service	Standard
imsa	dpca-ccat-unh-unk-rcode	INT32	Incremental	active	The total number of CCA-T messages received with unknown or unhandled result codes which have initiated the failure handling procedure configured for the any-error scenario.	Increments when there is an unknown result code in CCA-T message	Per IMS authorization service	Standard
imsa	dpca-ccat-err-rcode	INT32	Incremental	active	The total number of CCA-T messages received with error result codes which have initiated the failure handling procedure configured for a particular or range of result codes.	Increments when there is a known error code in CCA-T message	Per IMS authorization service	Standard
imsa	dpca-ccfh-continue	INT32	Incremental	active	The total number of times the failure handling action continue has been undertaken.	Increments when CCFH continue action is undertaken	Per IMS authorization service	Standard
imsa	dpca-ccfh-continue-ccrt	INT32	Incremental	active	The total number of times the failure handling action continue has been undertaken and CCR-T has been sent to PCRF on call termination.	Increments when CCFH continue action is undertaken and CCR-T is sent to PCRF on call termination	Per IMS authorization service	Standard
imsa	dpca-ccfh-continue-wo-retry	INT32	Incremental	active	The total number of times the failure handling action continue has been undertaken without retrying to the secondary PCRF.	Increments when the IMSA call is continued without retrying to the secondary PCRF	Per IMS authorization service	Standard
imsa	dpca-ccfh-continue-with-lp	INT32	Incremental	active	The total number of times the failure handling action, continue with the rules defined in local policy, is applied.	Increments when IMSA call is continued with the rules defined in local policy	Per IMS authorization service	Standard
imsa	dpca-ccfh-continue-lp-wo-retry	INT32	Incremental	active	Total number of times the call falls back to the Local Policy (LP) without retrying to the secondary PCRF server	Increments when the call falls back to LP without retrying to the secondary PCRF.	Per IMS authorization service.	Standard
imsa	dpca-ccfh-retry-and-term	INT32	Incremental	active	The total number of times the failure handling action retry-and-terminate has been undertaken.	Increments when CCFH retry and terminate action is undertaken	Per IMS authorization service	Standard
imsa	dpca-ccfh-retry-and-term-wo-ccrt	INT32	Incremental	active	The total number of times the failure handling action retry-and-terminate has been undertaken without CCR-T message.	Increments when CCFH retry and terminate action is undertaken without CCR-T	Per IMS authorization service	Standard
imsa	dpca-ccfh-terminate	INT32	Incremental	active	The total number of times the failure handling action terminate has been undertaken.	Increments when CCFH terminate action is undertaken	Per IMS authorization service	Standard
imsa	dpca-ccfh-terminate-wo-ccrt	INT32	Incremental	active	The total number of times the failure handling action terminate has been undertaken without CCR-T message.	Increments when CCFH terminate action is undertaken without CCR-T	Per IMS authorization service	Standard
imsa	dpca-total-ims-auth-fh-triggered	INT32	Incremental	active	The total number of times when ims-auth-service Failure Handling is triggered.	Increments when ims-auth-service Failure Handling is triggered.	Per IMS authorization service	Standard
imsa	dpca-rar-unknown-reason	INT32	Incremental	active	The total number of RAR messages received with the Session Release Cause Unknown Reasons.	Increments when unspecified reason is received in Session Release Cause in RAR message	Per IMS authorization service	Standard
imsa	dpca-rar-dp-mismatch	INT32	Incremental	active	The total number of Sessions cleared while receiving RAR because of sessid mapping mismatch.	Increments when session is cleared when RAR message is received and found sessid mismatch	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-rar-ue-subscription-chngd	INT32	Incremental	active	The total number of RAR messages received with the Session Release Cause UE-Subscription-Changed.	Increments when UE subscription reason is received in Session Release Cause in RAR message	Per IMS authorization service	Standard
imsa	dpca-rar-insuffcnt-srvr-resrce	INT32	Incremental	active	The total number of RAR messages received with the Session Release Cause Insufficient Server Resource.	Increments when insufficient resources are received in Session Release Cause in RAR message	Per IMS authorization service	Standard
imsa	dpca-ccau-unknown-reason	INT32	Incremental	active	The total number of CCA messages received with the Session Release Cause Unknown Reasons.	Increments when unspecified reason is received in Session Release Cause in CCA message	Per IMS authorization service	Standard
imsa	dpca-ccau-ue-subscription-chngd	INT32	Incremental	active	The total number of CCA messages received with the Session Release Cause UE-Subscription-Changed.	Increments when UE subscription reason is received in Session Release Cause in CCA message	Per IMS authorization service	Standard
imsa	dpca-ccau-insuffcnt-srvr-resrce	INT32	Incremental	active	The total number of CCA messages received with the Session Release Cause Insufficient Server Resource.	Increments when insufficient resources are received in Session Release Cause in CCA message	Per IMS authorization service	Standard
imsa	dpca-fail-connfh-totmsgtmo	INT32	Incremental	active	The total number of message timeouts.	Increments whenever Tx timeouts for CCA-I, CCA-U, and CCA-T	Per IMS authorization service	Standard
imsa	dpca-fail-connfh-totmsgsenderr	INT32	Incremental	active	The total number of message send errors (DIABASE ERRORS), since the TCP connection to the peer is no longer available.	Increments when there is a diabase error while sending CCR-I, CCR-U, and CCR-T messages	Per IMS authorization service	Standard
imsa	dpca-fail-rescodefh-confrescode	INT32	Incremental	active	The total number of messages received with error result codes which have initiated the failure handling procedure configured for a particular or range of result codes.	Increments when there is a known error result code in CCA-I, CCA-U, and CCA-T messages	Per IMS authorization service	Standard
imsa	dpca-fail-rescodefh-unhunkrescode	INT32	Incremental	active	The total number of messages received with unknown or unhandled result codes which have initiated the failure handling procedure configured for the any-error scenario.	Increments when there is an unknown error result code in CCA-I, CCA-U, and CCA-T messages	Per IMS authorization service	Standard
imsa	dpca-imsa-msg-success	INT32	Incremental	active	The total number of CCA messages that have been received with result code 2xxx for Gx.	Increments when PCRF responds with an error result code 2xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-msgerr-proto	INT32	Incremental	active	The total number of CCA messages that have been received with result code 3xxx for Gx.	Increments when PCRF responds with an error result code 3xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-msgerr-transfailure	INT32	Incremental	active	The total number of CCA messages that have been received with result code 4xxx for Gx.	Increments when PCRF responds with an error result code 4xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-msgerr-permfailure	INT32	Incremental	active	The total number of CCA messages that have been received with result code 5xxx for Gx.	Increments when PCRF responds with an error result code 5xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-msgerr-otherrescode	INT32	Incremental	active	The total number of CCA messages that have been received with result codes other than 2xxx to 5xxx for Gx.	Increments when PCRF responds with an error result code other than 2xxx to 5xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-raa-msg-success	INT32	Incremental	active	The total number of RAA messages that have been received with result code 2xxx for Gx.	Increments when RAA message includes an error result code 2xxx for Gx.	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-imsa-raa-msgerr-3xxx	INT32	Incremental	active	The total number of RAA messages that have been received with result code 3xxx for Gx.	Increments when RAA message includes an error result code 3xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-raa-msgerr-4xxx	INT32	Incremental	active	The total number of RAA messages that have been received with result code 4xxx for Gx.	Increments when RAA message includes an error result code 4xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-raa-msgerr-5xxx	INT32	Incremental	active	The total number of RAA messages that have been received with result code 5xxx for Gx.	Increments when RAA message includes an error result code 5xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-raa-msgerr-otherrescode	INT32	Incremental	active	The total number of RAA messages that have been received with result codes other than 2xxx to 5xxx for Gx.	Increments when RAA message is received with an error result code other than 2xxx to 5xxx for Gx.	Per IMS authorization service	Standard
imsa	dpca-imsa-tethering-flow-detected	INT32	Incremental	active	The total number of DPCA sessions with the Event Trigger TETHERING-FLOW-DETECTION.	Increments when a DPCA session is detected with the Event Trigger TETHERING-FLOW-DETECTION	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-unknown-bid	INT32	Incremental	active	The total number of times the rule installation failed due to unknown bearer ID.	Increments when zero bearer-id is received or Bearer AVP parsing fails.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-invalid-qci	INT32	Incremental	active	The total number of times the rule installation failed due to invalid QCI.	Increments when received QCI value is more than 254.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-resource-limit	INT32	Incremental	active	The total number of times the rule installation failed to due to the resource limitation. This counter is applicable for all types of string AVPs.	Increments when received string is more than expected size like redirecturllen more than 512.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-invalid-arp	INT32	Incremental	active	The total number of times the rule installation failed due to invalid ARP.	Increments when the ARP value is out of range (actual range 1-15)	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-bid-in-qos	INT32	Incremental	active	The total number of times the rule installation failed due to a mismatch in the bearer ID present in QoS flow.	Increments when bearer-id present in QoS flow is not the one that is expected.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-parse-err	INT32	Incremental	active	The total number of the times the rule installation failed due to AVP parsing errors.	Increments when AVP parsing failures occur	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-invalid-rdrct-add	INT32	Incremental	active	The total number of the times the rule installation failed due to an incorrect redirect-support enum value being received for the Redirect-Support AVP.	Increments upon receiving incorrect Redirect-Support enum under the Redirect-Support AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-adc-absent	INT32	Incremental	active	The total number of the times the rule installation failed due to ADC Feature is not present.	Increments when mute_notification or redirect_information or tdf_application_identifier AVP's are present but Feature ADC is not present.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-mon-mthd	INT32	Incremental	active	The total number of times the rule installation failed due to an incorrect metering method enum value being received for the Metering-Method AVP.	Increments upon receiving incorrect metering method enum under the Metering-Method AVP	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-rg	INT32	Incremental	active	The totl number of times the rule installation failed due to an incorrect rating-group value being received for the Rating-Group AVP.	Increments upon receiving incorrect rating-group value under the Rating-Group AVP	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-on-avp	INT32	Incremental	active	The total number of times the rule installation failed when an unknown enum value is received in the Online AVP.	Increments when an unknown enum value is received in the Online AVP.	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-imsa-rule-install-failure-in-off-avp	INT32	Incremental	active	The total number of times the rule installation failed when an unknown enum value is received in the Offline AVP.	Increments when an unknown enum value is received in the Offline AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-flow-stn	INT32	Incremental	active	The total number of times the rule installation failed when an unknown enum value is received in the Flow-Status AVP.	Increments when an unknown enum value is received in the Flow-Status AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-usg-mon	INT32	Incremental	active	The total number of times the rule installation failed when an incorrect usage monitoring value is received in the Usage-Monitoring AVP.	Increments when an incorrect usage monitoring value is received in the Usage-Monitoring AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-req-accs-i	INT32	Incremental	active	The total number of times the rule installation failed when an incorrect enum value is received in the Required-Access-Info AVP.	Increments when an incorrect enum value is received in the Required-Access-Info AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-fl-descp	INT32	Incremental	active	The total number of times the rule installation failed when an incorrect enum value is received in the Flow-Description AVP.	Increments when an incorrect enum value is received in the Flow-Description AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-rule-install-failure-in-rep-lvl	INT32	Incremental	active	The total number of times the rule installation failed when an unknown enum value is received in the Reporting-Level AVP.	Increments when an unknown enum value is received in the Reporting-Level AVP.	Per IMS authorization service	Standard
imsa	dpca-imsa-access-nw-info-report	INT32	Incremental	active	The total number of DPCA sessions with the event trigger ACCESS_NETWORK_INFO_REPORT.	Increments when a DPCA session is detected with the event trigger ACCESS_NETWORK_INFO_REPORT	Per IMS authorization service	Standard
imsa	dpca-imsa-session-recovery	INT32	Incremental	active	The total number of CCR-Us sent for session recovery at IMSA service level	Increments when a CCR-U is sent for session recovery at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-imsa-session-sync	INT32	Incremental	active	The total number of CCR-Us sent for session sync at IMSA service level	Increments when a CCR-U is sent for session sync at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-imsa-sync-req-cca-rcvd	INT32	Incremental	active	The total number of CCAs received with session sync request at IMSA service level	Increments when a CCA is received with session sync request at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-imsa-sync-req-rar-rcvd	INT32	Incremental	active	The total number of RARs received with session sync request at IMSA service level	Increments when a RAR is received with session sync request at IMSA service level	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccri-msgs	INT32	Incremental	active	Total number of CCR-I messages that are in backpressure state.	Increments when a CCR-I message hits backpressure	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccri-msg-failures	INT32	Incremental	active	Total number of times the application fails to create a CCR-I message due to no TCP connection when the messages are in backpressure state.	Increments when the application fails to create a CCR-I message	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccri-sessid-rcvry-failures	INT32	Incremental	active	Total number of times the CCR-I message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Increments when CCR-I message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccru-msgs	INT32	Incremental	active	Total number of CCR-U messages that are in backpressure state.	Increments when a CCR-U message hits backpressure	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
imsa	dpca-imsa-bp-ccru-msg-failures	INT32	Incremental	active	Total number of times the application fails to create a CCR-U message due to no TCP connection when the messages are in backpressure state.	Increments when the application fails to create a CCR-U message	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccru-max-retry_msgs	INT32	Incremental	active	Total number of times the max retries have been attempted when the CCR-U message is in backpressure state.	Increments when the max retries have been attempted when the CCR-U message is in backpressure state.	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccru-dropped-msgs	INT32	Incremental	active	Total number of CCR-U request messages that are dropped when there are already some messages in backpressure state.	Increments when CCR-U request messages that are dropped when there are already some messages in backpressure state.	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccru-sessid-rcvry-failures	INT32	Incremental	active	Total number of times the CCR-U message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Increments when a CCR-U message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccrt-msgs	INT32	Incremental	active	Total number of CCR-T messages that are in backpressure state.	Increments when a CCR-T message hits backpressure	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccrt-msg-failures	INT32	Incremental	active	Total number of times the application fails to create a CCR-T message due to no TCP connection when the messages are in backpressure state.	Increments when the application fails to create a CCR-U message	Per IMS authorization service	Standard
imsa	dpca-imsa-bp-ccrt-sessid-rcvry-failures	INT32	Incremental	active	Total number of times the CCR-T message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Increments when a CCR-T message is sent before recovering the session ID when the call is running in proxy mode and session recovery happens.	Per IMS authorization service	Standard
imsa	dpca-imsa-exp-newer-session-detected	INT32	Incremental	active	Total number of times the Diameter Experimental-Result-Code DIAMETER_NEWER_SESSION_DETECTED (5199) is received in CCA message.	Increments when a CCA message is received with this experimental result code	Per IMS authorization service	Standard
imsa	dpca-imsa-usage-report	INT32	Incremental	active	The total number of times the usage threshold has occurred.	Increments when the usage report is processed by IMSA.	Per IMS authorization service	Standard
sgw	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the SGW service.	Configuration	Per Context	Standard
sgw	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SGW service.	Configuration	Per Context	Standard
sgw	servname	STRING	Primary-key	active	SGW Service Name	Configuration	Per S-GW Service	Standard
sgw	servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the SGW service. This is an internal reference number.	Configuration	Per S-GW Service	Standard
sgw	sess-cur	INT32	Gauge	active	The total number of SGW sessions currently established on this system.	Increments on SGW call establishment and decrements on SGW call release.	Per S-GW Service	Standard
sgw	sessstat-totcur-ueidle	INT32	Gauge	active	Total no of UE currently in Idle state.	Increments when call goes to Idle state and decrements when it moves back to active state.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-totcur-ueactive	INT32	Gauge	active	Total no of UE currently in Active state.	Increments when SGW call is established with data bearers or idle call moves to active state and decrements on SGW active call is released or call moves to idle state.	Per S-GW Service	Standard
sgw	sessstat-totcur-ue-eutran	INT32	Gauge	active	Total active UEs with RAT type=EUTRAN.	Increments on SGW call establishment with EUTRAN RAT or RAT changed to EUTRAN and decrements when EUTRAN call is released or RAT changed from EUTRAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-ue-utran	INT32	Gauge	active	Total active UEs with RAT type=UTRAN.	Increments on SGW call establishment with UTRAN RAT or RAT changed to UTRAN and decrements when UTRAN call is released or RAT changed from UTRAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-ue-geran	INT32	Gauge	active	Total active UEs with RAT type=GERAN.	Increments on SGW call establishment with GERAN RAT or RAT changed to GERAN and decrements when GERAN call is released or RAT changed from GERAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-ue-nb-iot	INT32	Gauge	active	Total active UEs with RAT type=NB-IoT.	Increments on SGW call establishment with NB-IoT RAT and decrements when NB-IoT call is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-ue-other	INT32	Gauge	active	Total active UEs with RAT type other than EUTRAN, GERAN,UTRAN.	Increments on SGW call establishment with RAT other than EUTRAN, GERAN, UTRAN or RAT changed to other and decrements when other RAT call is released or RAT changed from other.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn	INT32	Gauge	active	Total Current - PDN	Increments when new SGW PDN is established and decrements when PDN is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-bearers	INT32	Gauge	active	Total currently active bearers.	Increments when new SGW bearer is setup and decrements when bearer is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-ipv4	INT32	Gauge	active	Total Current IPv4 PDN.	Increments when SGW IPv4 PDN is setup and decrements when IPv4 PDN is released.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-totcur-pdn-ipv6	INT32	Gauge	active	Total Current IPv6 PDN.	Increments when SGW IPv6 PDN is setup and decrements when IPv6 PDN is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-ipv4v6	INT32	Gauge	active	Total Current IPv4v6 PDN.	Increments when SGW IPv4v6 PDN is setup and decrements when IPv4v6 PDN is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-non-ip	INT32	Gauge	active	This statistic indicates the total number of current non-IP S-GW PDN	Increments when SGW non-IP PDN is setup and decrements when non-IP PDN is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-eutran	INT32	Incremental	active	Total active PDNs with RAT type=EUTRAN.	Increments on SGW PDN establishment with EUTRAN RAT or RAT changed to EUTRAN and decrements when EUTRAN PDN is released or RAT changed from EUTRAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-utran	INT32	Incremental	active	Total active PDNs with RAT type=UTRAN.	Increments on SGW PDN establishment with UTRAN RAT or RAT changed to UTRAN and decrements when UTRAN PDN is released or RAT changed from UTRAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-geran	INT32	Incremental	active	Total active PDNs with RAT type=GERAN.	Increments on SGW PDN establishment with GERAN RAT or RAT changed to GERAN and decrements when GERAN PDN is released or RAT changed from GERAN.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-nb-iot	INT32	Gauge	active	Total active PDNs with RAT type=NB-IoT.	Increments on SGW PDN establishment with NB-IoT RAT and decrements when NB-IoT PDN is released.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-other	INT32	Incremental	active	Total active PDNs with RAT type=OTHER.	Increments on SGW PDN establishment with RAT other than EUTRAN, GERAN, UTRAN or RAT changed to other and decrements when other RAT PDN is released or RAT changed from other.	Per S-GW Service	Standard
sgw	sessstat-totsetup-ue	INT32	Incremental	active	Total Setup - UE	Increments when new SGW call is setup.	Per S-GW Service	Standard
sgw	sessstat-totsetup-pdn	INT32	Incremental	active	Total number of PDN's setup.	Increments when a new SGW PDN is setup.	Per S-GW Service	Standard
sgw	sessstat-totcur-pdn-paused-charging	INT32	Gauge	active	Total Current PDN with Paused Charging.	Increments when SGW PDN charging is paused and decrements when charging is again enabled.	Per S-GW Service	Standard
sgw	sessstat-totsetup-bearers	INT32	Incremental	active	Total number of Bearers setup.	Increments when new SGW bearer is setup.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-pdnsetuptype-ipv4	INT32	Incremental	active	Total number of IPv4 PDN setup.	Increments when new IPv4 SGW PDN is setup.	Per S-GW Service	Standard
sgw	sessstat-pdnsetuptype-ipv6	INT32	Incremental	active	Total number of IPv6 PDN setup.	Increments when new IPv6 SGW PDN is setup.	Per S-GW Service	Standard
sgw	sessstat-pdnsetuptype-ipv4v6	INT32	Incremental	active	Total number of IPv4v6 PDN setup.	Increments when new IPv4v6 SGW PDN is setup.	Per S-GW Service	Standard
sgw	sessstat-pdnsetuptype-non-ip	INT32	Incremental	active	This statistic indicates the total number of non-IP PDNs setup at S-GW	Increments when new non-IP SGW PDN is setup.	Per S-GW Service	Standard
sgw	sessstat-pdnsetupintrface-s11	INT32	Incremental	active	Total PDNs Setup with Interface - S11.	Increments when new SGW PDN is setup with S11 interface.	Per S-GW Service	Standard
sgw	sessstat-pdnsetupintrface-s4	INT32	Incremental	active	Total PDNs Setup with Interface - S4.	Increments when new SGW PDN is setup with S4 interface.	Per S-GW Service	Standard
sgw	sessstat-pdnsetups5proto-gtp	INT32	Incremental	active	Total PDNs Setup with S5 Proto - GTP.	Increments when new SGW PDN setup with S5 proto GTP.	Per S-GW Service	Standard
sgw	sessstat-pdnsetups5proto-pmip	INT32	Incremental	active	Total PDNs Setup with S5 Proto - PMIP.	Increments when new SGW PDN setup with S5 proto PMIP.	Per S-GW Service	Standard
sgw	sessstat-pdnrel-ipv4	INT32	Incremental	active	Total IPv4 PDNs Released	Increments when SGW IPv4 PDN is released.	Per S-GW Service	Standard
sgw	sessstat-pdnrel-ipv6	INT32	Incremental	active	Total IPv6 PDNs Released	Increments when SGW IPv6 PDN is released.	Per S-GW Service	Standard
sgw	sessstat-pdnrel-ipv4v6	INT32	Incremental	active	Total IPv4v6 PDNs Released.	Increments when SGW IPv4v6 PDN is released.	Per S-GW Service	Standard
sgw	sessstat-pdnrel-non-ip	INT32	Incremental	active	This statistic indicates the total number of non-IP PDNs released at S-GW	Increments when SGW non-IP PDN is released.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-mme	INT32	Incremental	active	Total PDNs Released with reason MME Initiated.	Increments on MME initiated SGW PDN release.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s4sgsn	INT32	Incremental	active	Total PDNs Released with reason S4-SGSN Initiated.	Increments when S4SGSN initiated SGW PDN release.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pgw	INT32	Incremental	active	Total PDNs Released with reason PGW Initiated.	Increments when PGW initiated SGW PDN release.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pcrf	INT32	Incremental	active	Total PDNs Released with reason PCRF Initiated.	Increments when PCRF initiated SGW PDN release	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-local	INT32	Incremental	active	Total PDNs Released with local reason.	Increments when SGW PDN is released by local reason.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s1err	INT32	Incremental	active	Total PDNs Released with reason S1 Error Ind.	Increments when SGW PDN is released by S1 error indication.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s5err	INT32	Incremental	active	Total PDNs Released with reason S5 Error Ind.	Increments when SGW PDN is released by S5 error indication.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s4err	INT32	Incremental	active	Total PDNs Released with reason S4 Error Ind.	Increments when SGW PDN is released by S4 error indication.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s12err	INT32	Incremental	active	Total PDNs Released with reason S12 Error Ind.	Increments when SGW PDN is released by S12 error indication.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-s11err	INT32	Incremental	active	Total PDNs Released with reason S11 Error Ind.	Increments when SGW PDN is released by S11 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-pdnrelrsn-pathfail-S11	INT32	Incremental	active	Total PDNs Released with reason S11 Path Failure.	Increments when SGW PDN is released by S11 path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S5	INT32	Incremental	active	Total PDNs Released with reason S5 Path Failure.	Increments when SGW PDN is released by S5 path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S5-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S5-U .	Increments when SGW PDN is released by S5U path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S1-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S1-U.	Increments when SGW PDN is released by S1U path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S4	INT32	Incremental	active	Total PDNs Released with reason Path Failure S4.	Increments when SGW PDN is released by S4 path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S12	INT32	Incremental	active	Total PDNs Released with reason Path Failure S12	Increments when SGW PDN is released by S12 path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S4-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S4-U	Increments when SGW PDN is released by S4U path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S11-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S11-U	Increments when SGW PDN is released by S11U path failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-pathfail-S11-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S11-U	Increments when SGW PDN failure.	Per S-GW Service	Standard
sgw	sessstat-pdnrelrsn-other	INT32	Incremental	active	Total PDNs Released by local reason/ no resource.	Increments when SGW PDN is released by local reason, no resource.	Per S-GW Service	Standard
sgw	sessstat-pdnrej-ipv4	INT32	Incremental	active	Total IPv4 PDNs Rejected.	Increments when SGW IPv4 PDN is rejected.	Per S-GW Service	Standard
sgw	sessstat-pdnrej-ipv6	INT32	Incremental	active	Total IPv6 PDNs Rejected.	Increments when SGW IPv6 PDN is rejected.	Per S-GW Service	Standard
sgw	sessstat-pdnrej-ipv4v6	INT32	Incremental	active	Total IPv4v6 PDNs Rejected.	Increments when SGW IPv4v6 PDN is rejected.	Per S-GW Service	Standard
sgw	sessstat-pdnrej-non-ip	INT32	Incremental	active	This statistic indicates the total number of non-IP PDNs rejected by S-GW	Increments when SGW non-IP PDN is rejected.	Per S-GW Service	Standard
sgw	sessstat-pdnrejrsn-pgw	INT32	Incremental	active	Total PDNs Rejected with reason P-GW Reject	Increments when the S-GW receives a PDN Connection Reject from the P-GW.	Per S-GW Service	Standard
sgw	sessstat-pdnrejrsn-license	INT32	Incremental	active	Total PDNs Rejected with reason License limit exceed.	Increments when a New PDN Connection (Initial Attach) is rejected because of License Limit.	Per S-GW Service	Standard
sgw	sessstat-pdnrejrsn-newcall-policy	INT32	Incremental	active	Total PDNs Rejected with reason New Call Policy	Increments when a New PDN Connection (Initial Attach) is rejected because a New Call Reject Policy is enabled.	Per S-GW Service	Standard
sgw	sessstat-pdnrejrsn-overload	INT32	Incremental	active	Total PDNs Rejected with reason Overload	Increments when a New PDN Connection (Initial Attach) is rejected because Overload conditions are reached.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-pdnrejrsn-cong	INT32	Incremental	active	Total PDNs Rejected with reason congestion	Increments when a New PDN Connection (Initial Attach) is rejected because Congestion configuration is applied.	Per S-GW Service	Standard
sgw	sessstat-pdnrejrsn-other	INT32	Incremental	active	Total PDNs Rejected with local reason.	Increments when the S-GW PDN is rejected by local reason, no resource.	Per S-GW Service	Standard
sgw	sessstat-isr-curr-active-sess	INT32	Gauge	active	Total Current Active Idle-mode Signaling Reduction Sessions.	Increments when ISR is enabled on SGW active call and decrements when ISR is disabled.	Per S-GW Service	Standard
sgw	sessstat-isr-curr-idle-sess	INT32	Gauge	active	Total Current Idle Idle-mode Signaling Reduction Sessions.	Increments when ISR is enabled on SGW idle call and decrements when ISR is disabled.	Per S-GW Service	Standard
sgw	sessstat-isr-activations-mme	INT32	Incremental	active	Total MME Activated Idle-mode Signaling Reduction Sessions.	Increments when ISR enabled from MME on SGW call.	Per S-GW Service	Standard
sgw	sessstat-isr-activations-s4sgsn	INT32	Incremental	active	Total S4-SGSN Activated Idle-mode Signaling Reduction Sessions.	Increments when ISR enabled from S4SGSN on SGW call.	Per S-GW Service	Standard
sgw	sessstat-isr-deactivations-mme	INT32	Incremental	active	Total MME Deactivations Idle-mode Signaling Reduction Sessions.	Increments when ISR is disabled from MME on SGW call.	Per S-GW Service	Standard
sgw	sessstat-isr-deactivations-s4sgsn	INT32	Incremental	active	Total S4-SGSN Deactivations Idle-mode Signaling Reduction Sessions.	Increments when ISR is disabled from MME on SGW call.	Per S-GW Service	Standard
sgw	sessstat-isr-deactivations-callclear	INT32	Incremental	active	Total Call Cleared in ISR state.	Increments when call is cleared in ISR state.	Per S-GW Service	Standard
sgw	totepsbearactive-qci1	INT32	Gauge	active	Total EPS Bearers Active with QCI1.	Increments when QCI1 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci2	INT32	Gauge	active	Total EPS Bearers Active with QCI2.	Increments when QCI2 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci3	INT32	Gauge	active	Total EPS Bearers Active with QCI3.	Increments when QCI3 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci4	INT32	Gauge	active	Total EPS Bearers Active with QCI4.	Increments when QCI4 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci5	INT32	Gauge	active	Total EPS Bearers Active with QCI5.	Increments when QCI5 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci6	INT32	Gauge	active	Total EPS Bearers Active with QCI6.	Increments when QCI6 bearer is created and decrements when its released.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearactive-qci7	INT32	Gauge	active	Total EPS Bearers Active with QCI7.	Increments when QCI7 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci8	INT32	Gauge	active	Total EPS Bearers Active with QCI8.	Increments when QCI8 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci9	INT32	Gauge	active	Total EPS Bearers Active with QCI9.	Increments when QCI9 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci65	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 65.	Increments when QCI65 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci66	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 66.	Increments when QCI66 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci69	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 69.	Increments when QCI69 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci70	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 70.	Increments when QCI70 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-other	INT32	Gauge	active	Total EPS Bearers Active - Other.	Increments when bearer other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci1	INT32	Incremental	active	Total EPS Bearers Setup with QCI 1.	Increments when QCI1 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci2	INT32	Incremental	active	Total EPS Bearers Setup with QCI 2.	Increments when QCI2 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci3	INT32	Incremental	active	Total EPS Bearers Setup with QCI 3.	Increments when QCI3 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci4	INT32	Incremental	active	Total EPS Bearers Setup with QCI 4.	Increments when QCI4 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci5	INT32	Incremental	active	Total EPS Bearers Setup with QCI 5.	Increments when QCI5 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci6	INT32	Incremental	active	Total EPS Bearers Setup with QCI 6.	Increments when QCI6 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci7	INT32	Incremental	active	Total EPS Bearers Setup with QCI 7.	Increments when QCI7 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci8	INT32	Incremental	active	Total EPS Bearers Setup with QCI 8.	Increments when QCI8 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci9	INT32	Incremental	active	Total EPS Bearers Setup with QCI 9.	Increments when QCI9 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci65	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 65.	Increments when QCI65 bearer is setup.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearsetup-qci66	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 66.	Increments when QCI66 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci69	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 69.	Increments when QCI69 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci70	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 70.	Increments when QCI70 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-other	INT32	Incremental	active	Total EPS Bearers Setup with QCI value Other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Increments when bearer is setup with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per S-GW Service	Standard
sgw	totepsbearsetup-attempt	INT32	Incremental	active	Total EPS Bearers Setup attempts.	Increments when new EPSB bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearmod	INT32	Incremental	active	Total EPS Bearers Modified.	Increments when EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearrel-qci1	INT32	Incremental	active	Total EPS Bearers Released with QCI 1.	Increments when QCI1 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci2	INT32	Incremental	active	Total EPS Bearers Released with QCI 2.	Increments when QCI2 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci3	INT32	Incremental	active	Total EPS Bearers Released with QCI 3.	Increments when QCI3 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci4	INT32	Incremental	active	Total EPS Bearers Released with QCI 4.	Increments when QCI4 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci5	INT32	Incremental	active	Total EPS Bearers Released with QCI 5.	Increments when QCI5 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci6	INT32	Incremental	active	Total EPS Bearers Released with QCI 6.	Increments when QCI6 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci7	INT32	Incremental	active	Total EPS Bearers Released with QCI 7.	Increments when QCI7 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci8	INT32	Incremental	active	Total EPS Bearers Released with QCI 8.	Increments when QCI8 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci9	INT32	Incremental	active	Total EPS Bearers Released with QCI 9 .	Increments when QCI9 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci65	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 65 .	Increments when QCI65 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci66	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 66 .	Increments when QCI66 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci69	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 69 .	Increments when QCI69 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci70	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 70 .	Increments when QCI70 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-other	INT32	Incremental	active	Total EPS Bearers Released with QCI value other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Increments when EPS bearer is released with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per S-GW Service	Standard
sgw	totepsbearmod-qci1	INT32	Incremental	active	Total EPS Bearers Modified with QCI 1.	Increments when QCI1 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci2	INT32	Incremental	active	Total EPS Bearers Modified with QCI 2.	Increments when QCI2 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci3	INT32	Incremental	active	Total EPS Bearers Modified with QCI 3.	Increments when QCI3 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci4	INT32	Incremental	active	Total EPS Bearers Modified with QCI 4.	Increments when QCI4 EPS bearer is modified.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearmod-qci5	INT32	Incremental	active	Total EPS Bearers Modified with QCI 5.	Increments when QCI5 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci6	INT32	Incremental	active	Total EPS Bearers Modified with QCI 6.	Increments when QCI6 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci7	INT32	Incremental	active	Total EPS Bearers Modified with QCI 7.	Increments when QCI7 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci8	INT32	Incremental	active	Total EPS Bearers Modified with QCI 8.	Increments when QCI8 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci9	INT32	Incremental	active	Total EPS Bearers Modified with QCI 9.	Increments when QCI9 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci65	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 65.	Increments when QCI65 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci66	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 66.	Increments when QCI66 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci69	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 69.	Increments when QCI69 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci70	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 70.	Increments when QCI70 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-other	INT32	Incremental	active	Total EPS Bearers Modified with QCI value Other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Increments when EPS bearer is modified with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw	INT32	Incremental	active	Total dedicated EPS Bearers released with reason PGW Initiated.	Increments when dedicated EPS bearer is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci1	INT32	Incremental	active	Total dedicated EPS Bearers of QCI1 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI1 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci2	INT32	Incremental	active	Total dedicated EPS Bearers of QCI2 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI2 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci3	INT32	Incremental	active	Total dedicated EPS Bearers of QCI3 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI3 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci4	INT32	Incremental	active	Total dedicated EPS Bearers of QCI4 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI4 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci5	INT32	Incremental	active	Total dedicated EPS Bearers of QCI5 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI5 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci6	INT32	Incremental	active	Total dedicated EPS Bearers of QCI6 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI6 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci7	INT32	Incremental	active	Total dedicated EPS Bearers of QCI7 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI7 is released with reason PGW initiated.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pgw-qci8	INT32	Incremental	active	Total dedicated EPS Bearers of QCI8 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI8 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci9	INT32	Incremental	active	Total dedicated EPS Bearers of QCI9 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI9 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci65	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 65 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 65 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci66	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 66 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 66 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci69	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 69 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 69 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci70	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 70 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 70 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci-other	INT32	Incremental	active	Total dedicated EPS Bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason PGW initiated.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason PGW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pcrf	INT32	Incremental	active	Total dedicated EPS Bearers Released with reason PCRF initiated.	Increments when dedicated EPS bearer is released with reason PCRF initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err	INT32	Incremental	active	Total dedicated EPS Bearers released with reason S1 error indication.	Increments when dedicated EPS bearer is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci1	INT32	Incremental	active	Total dedicated EPS Bearers of QCI1 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI1 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci2	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 2 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI2 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci3	INT32	Incremental	active	Total dedicated EPS Bearers of QCI3 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI3 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci4	INT32	Incremental	active	Total dedicated EPS Bearers of QCI4 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI4 is released with reason S1 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s1err-qci5	INT32	Incremental	active	Total dedicated EPS Bearers of QCI5 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI5 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci6	INT32	Incremental	active	Total dedicated EPS Bearers of QCI6 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI6 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci7	INT32	Incremental	active	Total dedicated EPS Bearers of QCI7 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI7 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci8	INT32	Incremental	active	Total dedicated EPS Bearers of QCI8 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI8 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci9	INT32	Incremental	active	Total dedicated EPS Bearers of QCI9 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI9 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci65	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 65 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci66	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 66 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci69	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 69 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci70	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 70 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci-other	INT32	Incremental	active	Total dedicated EPS Bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S1 error indication.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5 Error Indication.	Increments when dedicated EPS bearer is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI1 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI2 is released with reason S5 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s5err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI3 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI4 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI5 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI6 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI7 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI8 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI9 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5 Error Indication.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S4 error indication.	Increments when dedicated EPS bearer is released with reason S4 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s4err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI1 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI2 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI3 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI4 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI5 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI6 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI7 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI8 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI9 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S4 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s4err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S4 Error Indication.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S12 error indication.	Increments when dedicated EPS bearer is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI1 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI2 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI3 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI4 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI5 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI6 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI7 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI8 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI9 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S12 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s12err-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S12 error indication.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local	INT32	Incremental	active	Total dedicated EPS bearers released with local reason.	Increments when dedicated EPS bearer is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with local reason.	Increments when dedicated EPS bearer of QCI1 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with local reason.	Increments when dedicated EPS bearer of QCI2 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with local reason.	Increments when dedicated EPS bearer of QCI3 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with local reason.	Increments when dedicated EPS bearer of QCI4 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with local reason.	Increments when dedicated EPS bearer of QCI5 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with local reason.	Increments when dedicated EPS bearer of QCI6 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with local reason.	Increments when dedicated EPS bearer of QCI7 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with local reason.	Increments when dedicated EPS bearer of QCI8 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with local reason.	Increments when dedicated EPS bearer of QCI9 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with local reason.	Increments when a dedicated EPS bearer of QCI 65 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with local reason.	Increments when a dedicated EPS bearer of QCI 66 is released with local reason.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-local-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with local reason.	Increments when a dedicated EPS bearer of QCI 69 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with local reason.	Increments when a dedicated EPS bearer of QCI 70 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with local reason.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn	INT32	Incremental	active	Total dedicated EPS bearers released due to PDN cleanup.	Increments when dedicated EPS bearer is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI1 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI2 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI3 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI4 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI5 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI6 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI7 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI8 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI9 is released due to PDN cleanup.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pdn-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 65 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 66 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 69 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 70 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released due to PDN cleanup.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u	INT32	Incremental	active	Total dedicated EPS bearers released with reason S1-U path failure.	Increments dedicated EPS bearer is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI1 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI2 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI3 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI4 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI5 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI6 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI7 is released with reason S1-U path failure.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI8 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI9 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S1-U path failure.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5-U path failure.	Increments dedicated EPS bearer is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI1 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI2 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI3 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI4 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI5 is released with reason S5-U path failure.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI6 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI7 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI8 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI9 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5-U path failure.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5 path failure.	Increments when dedicated EPS bearer is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI1 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI2 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI3 is released with reason S5 path failure.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s5-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI4 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI5 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI6 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI7 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI8 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI9 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci65	INT32	Incremental	active	Total dedicated EPS bearers of QCI 65 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 65 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci66	INT32	Incremental	active	Total dedicated EPS bearers of QCI 66 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 66 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci69	INT32	Incremental	active	Total dedicated EPS bearers of QCI 69 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 69 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci70	INT32	Incremental	active	Total dedicated EPS bearers of QCI 70 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 70 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5 path failure.	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11	INT32	Incremental	active	Total dedicated EPS bearers released with reason S11 path failure.	Increments when dedicated EPS bearer is released with reason S11 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S11 path failure.	Increments when dedicated EPS bearer of QCI1 is released with reason S11 path failure.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s11-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S11 path failure.	Increments when dedicated EPS bearer of QCI2 is released with reason S11 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 3 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 4 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 5 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 6 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 7 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 8 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S11 interface	Increments when dedicated bearer with QCI 9 is released due to Path failure on S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 65 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 65 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 66 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 66 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 69 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 69 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 70 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 70 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non the-standard QCI released due to Path Failure on the S11 interface	Increments when dedicated bearer with non the-standard QCI is released due to Path failure on the S11 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s12	INT32	Incremental	active	Total Dedicated Bearers released due to Path Failure on the S12 interface	Increments when dedicated bearer is released due to Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 1 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 2 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 3 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 4 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 5 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 6 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 7 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 8 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S12 interface	Increments when dedicated bearer with QCI 9 is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 65 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 65 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 66 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 66 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 69 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 69 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s12-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 70 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 70 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Path Failure on S12 interface	Increments when dedicated bearer with non-standard QCI is released due to Path failure on S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u	INT32	Incremental	active	Total Dedicated Bearers released due to Path Failure on S4-U interface	Increments when dedicated bearer is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 1 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 2 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 3 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 4 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 5 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 6 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 7 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 8 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S4-U interface	Increments when dedicated bearer with QCI 9 is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 65 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 65 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 66 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 66 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 69 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 69 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 70 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 70 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Path Failure on S4-U interface	Increments when dedicated bearer with non-standard QCI is released due to Path failure on S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout	INT32	Incremental	active	Total Dedicated Bearers released due to Inactivity Timeout	Increments when dedicated bearer is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 1 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 2 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 3 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 4 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 5 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 6 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 7 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 8 is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 9 is released due to Inactivity timeout	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 65 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 66 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 69 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 70 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Inactivity Timeout	Increments when dedicated bearer with non-standard QCI is released due to Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other	INT32	Incremental	active	Total Dedicated Bearers released due to Other reason	Increments when dedicated bearer is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Other reason	Increments when dedicated bearer with QCI 1 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Other reason	Increments when dedicated bearer with QCI 2 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Other reason	Increments when dedicated bearer with QCI 3 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Other reason	Increments when dedicated bearer with QCI 4 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Other reason	Increments when dedicated bearer with QCI 5 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Other reason	Increments when dedicated bearer with QCI 6 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Other reason	Increments when dedicated bearer with QCI 7 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Other reason	Increments when dedicated bearer with QCI 8 is released due to Other reason	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-other-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Other reason	Increments when dedicated bearer with QCI 9 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to Other reason	Increments when a dedicated bearer with QCI 65 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to Other reason	Increments when a dedicated bearer with QCI 66 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to Other reason	Increments when a dedicated bearer with QCI 69 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to Other reason	Increments when a dedicated bearer with QCI 70 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Other reason	Increments when dedicated bearer with non-standard QCI is released due to Other reason	Per S-GW Service	Standard
sgw	datastat-uplink-qci1totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 1	Increments when S-GW receives uplink data byte for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-uplink-qci1totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 1	Increments when S-GW receives uplink data packet for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-uplink-qci2totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 2	Increments when S-GW receives uplink data byte for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-uplink-qci2totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 2	Increments when S-GW receives uplink data packet for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-uplink-qci3totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 3	Increments when S-GW receives uplink data byte for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-uplink-qci3totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 1 3	Increments when S-GW receives uplink data packet for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-uplink-qci4totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 4	Increments when S-GW receives uplink data byte for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-uplink-qci4totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 4	Increments when S-GW receives uplink data packet for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-uplink-qci5totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 5	Increments when S-GW receives uplink data byte for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-uplink-qci5totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 5	Increments when S-GW receives uplink data packet for bearer with QCI 5	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-uplink-qci6totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 6	Increments when S-GW receives uplink data byte for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-uplink-qci6totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 6	Increments when S-GW receives uplink data packet for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-uplink-qci7totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 7	Increments when S-GW receives uplink data byte for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-uplink-qci7totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 7	Increments when S-GW receives uplink data packet for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-uplink-qci8totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 8	Increments when S-GW receives uplink data byte for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-uplink-qci8totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 8	Increments when S-GW receives uplink data packet for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-uplink-qci9totbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with QCI 9	Increments when S-GW receives uplink data byte for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-uplink-qci9totpkt	INT64	Incremental	active	Total uplink data packets received for bearer with QCI 9	Increments when S-GW receives uplink data packet for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-uplink-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 65	Increments when a S-GW receives an uplink data byte for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-uplink-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 65	Increments when a S-GW receives an uplink data packet for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-uplink-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 66	Increments when a S-GW receives an uplink data byte for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-uplink-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 66	Increments when a S-GW receives an uplink data packet for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-uplink-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 69	Increments when a S-GW receives an uplink data byte for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-uplink-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 69	Increments when a S-GW receives an uplink data packet for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-uplink-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 70	Increments when a S-GW receives an uplink data byte for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-uplink-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 70	Increments when a S-GW receives an uplink data packet for a bearer with QCI 70	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-uplink-othertotbyte	INT64	Incremental	active	Total uplink data bytes received for bearer with non-standard QCI	Increments when S-GW receives uplink data byte for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-uplink-othertotpkt	INT64	Incremental	active	Total uplink data packets received for bearer with non-standard QCI	Increments when S-GW receives uplink data packet for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci1totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 1	Increments when S-GW drops uplink data byte for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci1totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 1	Increments when S-GW drops uplink data packet for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci2totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 2	Increments when S-GW drops uplink data byte for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci2totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 2	Increments when S-GW drops uplink data packet for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci3totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 3	Increments when S-GW drops uplink data byte for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci3totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 3	Increments when S-GW drops uplink data packet for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci4totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 4	Increments when S-GW drops uplink data byte for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci4totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 4	Increments when S-GW drops uplink data packet for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci5totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 5	Increments when S-GW drops uplink data byte for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci5totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 5	Increments when S-GW drops uplink data packet for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci6totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 6	Increments when S-GW drops uplink data byte for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci6totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 6	Increments when S-GW drops uplink data packet for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci7totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 7	Increments when S-GW drops uplink data byte for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci7totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 7	Increments when S-GW drops uplink data packet for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci8totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 8	Increments when S-GW drops uplink data byte for bearer with QCI 8	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-uplink-dropstat-qci8totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 8	Increments when S-GW drops uplink data packet for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci9totbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with QCI 9	Increments when S-GW drops uplink data byte for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci9totpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with QCI 9	Increments when S-GW drops uplink data packet for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci65totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 65	Increments when a S-GW drops uplink data byte for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci65totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 65	Increments when a S-GW drops uplink data packet for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci66totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 66	Increments when a S-GW drops uplink data byte for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci66totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 66	Increments when a S-GW drops uplink data packet for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci69totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 69	Increments when a S-GW drops uplink data byte for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci69totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 69	Increments when a S-GW drops uplink data packet for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci70totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 70	Increments when a S-GW drops uplink data byte for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci70totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 70	Increments when a S-GW drops uplink data packet for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-othertotbyte	INT32	Incremental	active	Total uplink data bytes dropped for bearer with non-standard QCI	Increments when S-GW drops uplink data byte for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-othertotpkt	INT32	Incremental	active	Total uplink data packets dropped for bearer with non-standard QCI	Increments when S-GW drops uplink data packet for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-downlink-qci1totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 1	Increments when S-GW receives downlink data byte for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-downlink-qci1totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 1	Increments when S-GW receives downlink data packet for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-downlink-qci2totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 2	Increments when S-GW receives downlink data byte for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-downlink-qci2totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 2	Increments when S-GW receives downlink data packet for bearer with QCI 2	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-downlink-qci3totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 3	Increments when S-GW receives downlink data byte for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-downlink-qci3totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 3	Increments when S-GW receives downlink data packet for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-downlink-qci4totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 4	Increments when S-GW receives downlink data byte for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-downlink-qci4totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 4	Increments when S-GW receives downlink data packet for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-downlink-qci5totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 5	Increments when S-GW receives downlink data byte for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-downlink-qci5totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 5	Increments when S-GW receives downlink data packet for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-downlink-qci6totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 6	Increments when S-GW receives downlink data byte for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-downlink-qci6totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 6	Increments when S-GW receives downlink data packet for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-downlink-qci7totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 7	Increments when S-GW receives downlink data byte for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-downlink-qci7totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 7	Increments when S-GW receives downlink data packet for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-downlink-qci8totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 8	Increments when S-GW receives downlink data byte for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-downlink-qci8totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 8	Increments when S-GW receives downlink data packet for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-downlink-qci9totbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with QCI 9	Increments when S-GW receives downlink data byte for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-downlink-qci9totpkt	INT64	Incremental	active	Total downlink data packets received for bearer with QCI 9	Increments when S-GW receives downlink data packet for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-downlink-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 65	Increments when a S-GW receives downlink data byte for a bearer with QCI 65	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-downlink-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 65	Increments when a S-GW receives downlink data packet for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-downlink-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 66	Increments when a S-GW receives downlink data byte for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-downlink-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 66	Increments when a S-GW receives downlink data packet for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-downlink-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 69	Increments when a S-GW receives downlink data byte for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-downlink-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 69	Increments when a S-GW receives downlink data packet for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-downlink-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 70	Increments when a S-GW receives downlink data byte for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-downlink-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 70	Increments when a S-GW receives downlink data packet for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-downlink-othertotbyte	INT64	Incremental	active	Total downlink data bytes received for bearer with non-standard QCI	Increments when S-GW receives downlink data byte for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-downlink-othertotpkt	INT64	Incremental	active	Total downlink data packets received for bearer with non-standard QCI	Increments when S-GW receives downlink data packet for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci1totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 1	Increments when S-GW drops downlink data byte for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci1totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 1	Increments when S-GW drops downlink data packet for bearer with QCI 1	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci2totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 2	Increments when S-GW drops downlink data byte for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci2totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 2	Increments when S-GW drops downlink data packet for bearer with QCI 2	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci3totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 3	Increments when S-GW drops downlink data byte for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci3totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 3	Increments when S-GW drops downlink data packet for bearer with QCI 3	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci4totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 4	Increments when S-GW drops downlink data byte for bearer with QCI 4	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-downlink-dropstat-qci4totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 4	Increments when S-GW drops downlink data packet for bearer with QCI 4	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci5totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 5	Increments when S-GW drops downlink data byte for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci5totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 5	Increments when S-GW drops downlink data packet for bearer with QCI 5	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci6totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 6	Increments when S-GW drops downlink data byte for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci6totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 6	Increments when S-GW drops downlink data packet for bearer with QCI 6	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci7totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 7	Increments when S-GW drops downlink data byte for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci7totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 7	Increments when S-GW drops downlink data packet for bearer with QCI 7	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci8totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 8	Increments when S-GW drops downlink data byte for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci8totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 8	Increments when S-GW drops downlink data packet for bearer with QCI 8	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci9totbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with QCI 9	Increments when S-GW drops downlink data byte for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci9totpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with QCI 9	Increments when S-GW drops downlink data packet for bearer with QCI 9	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci65totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 65	Increments when a S-GW drops downlink data byte for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci65totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 65	Increments when a S-GW drops downlink data packet for a bearer with QCI 65	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci66totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 66	Increments when a S-GW drops downlink data byte for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci66totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 66	Increments when a S-GW drops downlink data packet for a bearer with QCI 66	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci69totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 69	Increments when a S-GW drops downlink data byte for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci69totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 69	Increments when a S-GW drops downlink data packet for a bearer with QCI 69	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci70totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 70	Increments when a S-GW drops downlink data byte for a bearer with QCI 70	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-downlink-dropstat-qci70totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 70	Increments when a S-GW drops downlink data packet for a bearer with QCI 70	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-othertotbyte	INT32	Incremental	active	Total downlink data bytes dropped for bearer with non-standard QCI	Increments when S-GW drops downlink data byte for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-othertotpkt	INT32	Incremental	active	Total downlink data packets dropped for bearer with non-standard QCI	Increments when S-GW drops downlink data packet for bearer with non-standard QCI	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-x2	INT32	Incremental	active	Total X2 based Inter-SGW handover attempted	Increments when X2 based Inter-SGW handover is attempted	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-x2-success	INT32	Incremental	active	Total X2 based Inter-SGW handover succeeded	Increments when X2 based Inter-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-x2-fail	INT32	Incremental	active	Total X2 based Inter-SGW handover failed	Increments when X2 based Inter-SGW handover is failed	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-idletau	INT32	Incremental	active	Total Idle-mode TAU Inter-SGW handover attempted	Increments when Idle-mode TAU Inter-SGW handover is attempted	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-idletau-success	INT32	Incremental	active	Total Idle-mode TAU Inter-SGW handover succeeded	Increments when Idle-mode TAU Inter-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-idletau-fail	INT32	Incremental	active	Total Idle-mode TAU Inter-SGW handover failed	Increments when Idle-mode TAU Inter-SGW handover is failed	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-s1	INT32	Incremental	active	Total S1 based Inter-SGW handover attempted	Increments when S1 based Inter-SGW handover is attempted	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-s1-success	INT32	Incremental	active	Total S1 based Inter-SGW handover succeeded	Increments when S1 based Inter-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnin-s1-fail	INT32	Incremental	active	Total S1 based Inter-SGW handover failed	Increments when S1 based Inter-SGW handover is failed	Per S-GW Service	Standard
sgw	intersgwhaovstat-pdnout	INT32	Incremental	active	Total outgoing PDN in Inter-SGW handover	Increments for every outgoing PDN in Inter-SGW handover	Per S-GW Service	Standard
sgw	intersgwhaovstat-intersystem	INT32	Incremental	active	Total Inter system Inter-SGW handover attempted	Increments when Inter system Inter-SGW handover is attempted	Per S-GW Service	Standard
sgw	intersgwhaovstat-intersystem-success	INT32	Incremental	active	Total Inter system Inter-SGW handover succeeded	Increments when Inter system Inter-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intersgwhaovstat-intersystem-fail	INT32	Incremental	active	Total Inter system Inter-SGW handover failed	Increments when Inter system Inter-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intramme	INT32	Incremental	active	Total Intra-MME Intra-SGW handover attempted	Increments when Intra-MME Intra-SGW handover is attempted	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	intrasgwhaovstat-intramme-success	INT32	Incremental	active	Total Intra-MME Intra-SGW handover succeeded	Increments when Intra-MME Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intramme-fail	INT32	Incremental	active	Total Intra-MME Intra-SGW handover failed	Increments when Intra-MME Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intermme	INT32	Incremental	active	Total Inter-MME Intra-SGW handover attempted	Increments when Inter-MME Intra-SGW handover is attempted	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intermme-success	INT32	Incremental	active	Total Inter-MME Intra-SGW handover succeeded	Increments when Inter-MME Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intermme-fail	INT32	Incremental	active	Total Inter-MME Intra-SGW handover failed	Increments when Inter-MME Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intrasgsn	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover attempted	Increments when Intra-SGSN Intra-SGW handover is attempted	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intrasgsn-success	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover succeeded	Increments when Intra-SGSN Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intrasgsn-fail	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover failed	Increments when Intra-SGSN Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intersgsn	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover attempted	Increments when Inter-SGSN Intra-SGW handover is attempted	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intersgsn-success	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover succeeded	Increments when Inter-SGSN Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-intersgsn-fail	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover failed	Increments when Inter-SGSN Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-mme-to-sgsn	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover attempted	Increments when MME-to-SGSN Intra-SGW handover is attempted	Per S-GW Service	Standard
sgw	intrasgwhaovstat-mme-to-sgsn-success	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover succeeded	Increments when MME-to-SGSN Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-mme-to-sgsn-fail	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover failed	Increments when MME-to-SGSN Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	intrasgwhaovstat-sgsn-to-mme	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover attempted	Increments when SGSN-to-MME Intra-SGW handover is attempted	Per S-GW Service	Standard
sgw	intrasgwhaovstat-sgsn-to-mme-success	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover succeeded	Increments when SGSN-to-MME Intra-SGW handover is succeeded	Per S-GW Service	Standard
sgw	intrasgwhaovstat-sgsn-to-mme-fail	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover failed	Increments when SGSN-to-MME Intra-SGW handover is failed	Per S-GW Service	Standard
sgw	pagingstat-req	INT32	Incremental	active	Total Paging Requests	Increments when S-GW generates paging request	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	pagingstat-rej	INT32	Incremental	active	Total Paging Rejects	Increments when S-GW generated paging request is rejected	Per S-GW Service	Standard
sgw	pagingstat-fail	INT32	Incremental	active	Total Paging Failures	Increments when S-GW generated paging request is failed	Per S-GW Service	Standard
sgw	pagingstat-hlcom-success	INT32	Incremental	active	Indicates the total number of HLCOM sessions successfully created during paging.	Increments when HLCOM Session is created during paging	Per S-GW Service	Standard
sgw	pagingstat-actidleuetrans	INT32	Incremental	active	Total Active-Idle UE Transitions	Increments when UE changes state from Active to Idle	Per S-GW Service	Standard
sgw	pagingstat-idleactuetrans	INT32	Incremental	active	Total Idle-Active UE Transitions	Increments when UE changes state from Idle to Active	Per S-GW Service	Standard
sgw	pagingstat-highpriorityddn-initiated	INT32	Incremental	active	Total high priority DDNs initiated for a standalone S-GW.	Increments when a UE sends a high priority DDN.	Per S-GW Service	Standard
sgw	pagingstat-highpriorityddn-suppressed	INT32	Incremental	active	Total high priority DDNs suppressed for a standalone S-GW.	Increments when UE cannot send a high priority DDN because it has already been sent.	Per S-GW Service	Standard
sgw	pagingstat-ack-cause110-received	INT32	Incremental	active	The total number of DDN Ack messages received with cause code #110 (temp-ho-rejection) for a standalone S-GW.	Increments when a DDN Ack message with cause code #110 (temp-ho-rejection) is received.	At S-GW service level which is standalone S-GW service	Standard
sgw	pagingstat-taurau-triggered-ddn	INT32	Incremental	active	The total number of DDNs triggered due to TAU/RAU requests resulting in a peer node change for a standalone S-GW.	Increments when a DDN is triggered towards the new peer node established due to a TAU/RAU request.	At S-GW service level which is standalone S-GW service	Standard
sgw	pagingreldatastat-totbytebuff	INT32	Incremental	active	Total Bytes Buffered by S-GW during Paging	Increments when S-GW buffers data for UE during Paging	Per S-GW Service	Standard
sgw	pagingreldatastat-disc	INT32	Incremental	active	Total data discarded by S-GW during Paging	Increments when S-GW discards data for UE during Paging	Per S-GW Service	Standard
sgw	misc-updatabeformbreq	INT32	Incremental	active	Number of uplink data bytes received before MBReq.	Increments when uplink data byte received before MBReq.	Per S-GW Service	Standard
sgw	misc-cbreqrcvbeforcsrsp	INT32	Incremental	active	Number of CBReq received before CSRsp.	Increments when CBReq is received before CSRsp.	Per S-GW Service	Standard
sgw	indftstat-totcur-tunnels	INT32	Gauge	active	The total number of current Indirect forwarding tunnels.	Increments when indirect forwading tunnel is created and decrements when its released.	Per S-GW Service	Standard
sgw	indftstat-totcur-bearers	INT32	Gauge	active	The total number of current bearers in indirect forwarding tunnel.	Increments when indirect forwarding bearers are created and decrements when its released.	Per S-GW Service	Standard
sgw	indftstat-totsetup-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels set up.	Increments when indirect forwading tunnel is created.	Per S-GW Service	Standard
sgw	indftstat-totsetup-bearers	INT32	Incremental	active	The total number of bearers setup in indirect forwarding tunnel.	Increments when indirect forwarding bearer is setup.	Per S-GW Service	Standard
sgw	indftstat-totrel-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels released.	Increments when indirect forwading tunnel is released	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	indftstat-totrel-bearers	INT32	Incremental	active	The total number of Indirect forwarding bearers released.	Increments when indirect forwarding bearer is released.	Per S-GW Service	Standard
sgw	indftstat-totfail-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels failed.	Increments when indirect forwarding tunnel creation fails.	Per S-GW Service	Standard
sgw	indftstat-data-fwd-pkts	INT32	Incremental	active	The total number of packets forwarded in Indirect forwarding tunnel.	Increments when packet is sent in indirect forwarding tunnel.	Per S-GW Service	Standard
sgw	indftstat-data-fwd-bytes	INT32	Incremental	active	The total number of bytes forwarded in Indirect forwarding tunnel.	Increments when bytes are sent in indirect forwarding tunnel.	Per S-GW Service	Standard
sgw	plmnstat-home-pdn-active	INT32	Gauge	active	Total Home PDNs active.	Increments when new home PDN is setup and decrements when it is released.	Per S-GW Service	Standard
sgw	plmnstat-home-pdn-setup	INT32	Incremental	active	Total Home PDNs setup.	Increments when new home PDN is setup.	Per S-GW Service	Standard
sgw	plmnstat-home-pdn-released	INT32	Incremental	active	Total Home PDNs released.	Increments when home PDN is released.	Per S-GW Service	Standard
sgw	plmnstat-roam-pdn-active	INT32	Gauge	active	Total Roaming PDNs active.	Increments when new roaming PDN is setup and decrements when its released.	Per S-GW Service	Standard
sgw	plmnstat-roam-pdn-setup	INT32	Incremental	active	Total Roaming PDNs setup.	Increments when new roaming PDN is setup.	Per S-GW Service	Standard
sgw	plmnstat-roam-pdn-released	INT32	Incremental	active	Total Roaming PDNs released.	Increments when roaming PDN is released.	Per S-GW Service	Standard
sgw	plmnstat-vist-pdn-active	INT32	Gauge	active	Total Visiting PDNs active.	Increments when new visiting PDN is setup and decrements when its released..	Per S-GW Service	Standard
sgw	plmnstat-vist-pdn-setup	INT32	Incremental	active	Total Visiting PDNs setup.	Increments when new visiting PDN is setup.	Per S-GW Service	Standard
sgw	plmnstat-vist-pdn-released	INT32	Incremental	active	Total Visiting PDNs released.	Increments when visiting PDN is released.	Per S-GW Service	Standard
sgw	ipv4-pdn-to-user-pkt	INT64	Incremental	active	Total number of downlink packets with IPv4 PDN	Increments when downlink data packet is sent with IPv4 PDN.	Per S-GW Service	Standard
sgw	ipv4-pdn-to-user-byte	INT64	Incremental	active	Total number of downlink bytes with IPv4 PDN	Increments when downlink data byte is sent with IPv4 PDN.	Per S-GW Service	Standard
sgw	ipv4-pdn-from-user-pkt	INT64	Incremental	active	Total number of uplink packets with IPv4 PDN	Increments when uplink data packet is received with IPv4 PDN.	Per S-GW Service	Standard
sgw	ipv4-pdn-from-user-byte	INT64	Incremental	active	Total number of uplink bytes with IPv4 PDN	Increments when uplink data byte is received with IPv4 PDN.	Per S-GW Service	Standard
sgw	ipv6-pdn-to-user-pkt	INT64	Incremental	active	Total number of downlink packets with IPv6 PDN	Increments when downlink data packet is sent with IPv6 PDN.	Per S-GW Service	Standard
sgw	ipv6-pdn-to-user-byte	INT64	Incremental	active	Total number of downlink bytes with IPv6 PDN	Increments when downlink data byte is sent with IPv6 PDN.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	ipv6-pdn-from-user-pkt	INT64	Incremental	active	Total number of uplink packets with IPv6 PDN	Increments when uplink data packet is received with IPv6 PDN.	Per S-GW Service	Standard
sgw	ipv6-pdn-from-user-byte	INT64	Incremental	active	Total number of uplink bytes with IPv6 PDN	Increments when uplink data byte is received with IPv6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv4-to-user-pkt	INT64	Incremental	active	Total number of IPv4 downlink packets with IPv4v6 PDN	Increments when IPv4 downlink data packet is sent with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv4-to-user-byte	INT64	Incremental	active	Total number of IPv4 downlink bytes with IPv4v6 PDN	Increments when IPv4 downlink data byte is sent with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv4-from-user-pkt	INT64	Incremental	active	Total number of IPv4 uplink packets with IPv4v6 PDN	Increments when IPv4 uplink data packet is received with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv4-from-user-byte	INT64	Incremental	active	Total number of IPv4 uplink bytes with IPv4v6 PDN	Increments when IPv4 uplink data byte is received with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv6-to-user-pkt	INT64	Incremental	active	Total number of IPv6 downlink packets with IPv4v6 PDN	Increments when IPv6 downlink data packet is sent with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv6-to-user-byte	INT64	Incremental	active	Total number of IPv6 downlink bytes with IPv4v6 PDN	Increments when IPv6 downlink data byte is sent with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv6-from-user-pkt	INT64	Incremental	active	Total number of IPv6 uplink packets with IPv4v6 PDN	Increments when IPv6 uplink data packet is received with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	ipv4v6-pdn-ipv6-from-user-byte	INT64	Incremental	active	Total number of IPv6 uplink bytes with IPv4v6 PDN	Increments when IPv6 uplink data byte is received with IPv4v6 PDN.	Per S-GW Service	Standard
sgw	non-ip-pdn-to-user-pkt	INT64	Incremental	active	This statistic indicates the total number of downlink packets with non-IP S-GW PDNs	Increments when downlink data packet is sent with non-IP PDN.	Per S-GW Service	Standard
sgw	non-ip-pdn-to-user-byte	INT64	Incremental	active	This statistic indicates the total number of downlink bytes with non-IP S-GW PDNs.	Increments when downlink data byte is sent with non-IP PDN.	Per S-GW Service	Standard
sgw	non-ip-pdn-from-user-pkt	INT64	Incremental	active	This statistic indicates the total number of uplink packets received for non-IP S-GW PDNs	Increments when uplink data packet is received with non-IP PDN.	Per S-GW Service	Standard
sgw	non-ip-pdn-from-user-byte	INT64	Incremental	active	This statistic indicates the total number of uplink bytes with non-IP S-GW PDNs.	Increments when uplink data byte is received with non-IP PDN.	Per S-GW Service	Standard
sgw	srcviolatestat-packets-dropped	INT32	Incremental	active	Total number of Packets dropped with IP Source Validation.	Increments when packet is dropped with IP Source Validation.	Per S-GW Service	Standard
sgw	srcviolatestat-bytes-dropped	INT32	Incremental	active	Total number of data bytes dropped with IP Source Validation.	Increments when data byte is dropped with IP Source Validation.	Per S-GW Service	Standard
sgw	s1u-uplnk-packets	INT64	Incremental	active	Total uplink packets received on S1U interface.	Increments when uplink packet is received on S1U interface.	Per S-GW Service	Standard
sgw	s1u-uplnk-bytes	INT64	Incremental	active	Total uplink bytes received on S1U interface.	Increments when uplink byte is received on S1U interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-packets	INT64	Incremental	active	Total downlink packets sent on S1U interface.	Increments when downlink packet is sent on S1U interface	Per S-GW Service	Standard
sgw	s1u-downlnk-bytes	INT64	Incremental	active	Total downlink bytes sent on S1U interface.	Increments when downlink byte is sent on S1U interface.	Per S-GW Service	Standard
sgw	s1u-uplnk-dropped-packets	INT64	Incremental	active	Total uplink packets dropped on S1U interface.	Increments when uplink packet is dropped on S1U interface.	Per S-GW Service	Standard
sgw	s1u-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped on S1U interface.	Increments when uplink byte is dropped on S1U interface.	Per S-GW Service	Standard
sgw	s1u-downlnk-dropped-packets	INT64	Incremental	active	Total downlink packets dropped on S1U interface.	Increments when downlink packet is dropped on S1U interface.	Per S-GW Service	Standard
sgw	s1u-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped on S1U interface.	Increments when downlink byte is dropped on S1U interface.	Per S-GW Service	Standard
sgw	s1u-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI1 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI1 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI2 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI2 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI3 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI3 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI4 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI4 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI5 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI5 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI5 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI6 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI6 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI7 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI7 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI8 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci8totbyte	INT64	Incremental	active	QCI8 on S1u interface.	interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI8 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI9 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI9 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI other than 1 to 9 on S1u interface.	Increments when S-GW receives uplink data byte for bearer with QCI other than 1 to 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI other than 1 to 9 on S1u interface.	Increments when S-GW receives uplink data packet for bearer with QCI other than 1 to 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI4 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 1 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 2 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 3 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 4 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW accepts downlink data byte for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW accepts downlink data packet for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 1 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 1 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 1 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 2 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 2 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 2 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 2 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 3 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 3 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 3 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 4 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 4 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 4 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 5 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 5 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 6 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 6 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 7 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 7 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 8 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 8 on S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 9 on S1u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 9 on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW drops downlink data byte for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with non-standard QCI on S1u interface.	Increments when S-GW drops downlink data packet for bearer with non-standard QCI on S1u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-packets	INT64	Incremental	active	Total uplink packets received on S11U interface.	Increments when uplink packet is received on S11U interface.	Per S-GW Service	Standard
sgw	s11u-uplnk-bytes	INT64	Incremental	active	Total uplink bytes received on S11U interface.	Increments when uplink byte is received on S11U interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-packets	INT64	Incremental	active	Total downlink packets sent on S11U interface.	Increments when downlink packet is sent on S11U interface	Per S-GW Service	Standard
sgw	s11u-downlnk-bytes	INT64	Incremental	active	Total downlink bytes sent on S11U interface.	Increments when downlink byte is sent on S11U interface.	Per S-GW Service	Standard
sgw	s11u-uplnk-dropped-packets	INT64	Incremental	active	Total uplink packets dropped on S11U interface.	Increments when uplink packet is dropped on S11U interface.	Per S-GW Service	Standard
sgw	s11u-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped on S11U interface.	Increments when uplink byte is dropped on S11U interface.	Per S-GW Service	Standard
sgw	s11u-downlnk-dropped-packets	INT64	Incremental	active	Total downlink packets dropped on S11U interface.	Increments when downlink packet is dropped on S11U interface.	Per S-GW Service	Standard
sgw	s11u-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped on S11U interface.	Increments when downlink byte is dropped on S11U interface.	Per S-GW Service	Standard
sgw	s11u-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI1 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI1 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI2 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI2 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI3 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI3 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI4 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI4 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI5 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI5 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI5 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI6 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI6 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI7 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI7 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI8 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI8 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI9 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI9 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI other than 1 to 9 on S11u interface.	Increments when S-GW receives uplink data byte for bearer with QCI other than 1 to 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI other than 1 to 9 on S11u interface.	Increments when S-GW receives uplink data packet for bearer with QCI other than 1 to 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI4 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 1 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 2 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 3 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 4 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW accepts downlink data byte for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW accepts downlink data packet for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 1 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 1 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 1 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 1 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 2 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 2 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 2 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 3 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 3 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 3 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 4 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 4 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 4 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 5 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 5 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 6 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 6 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 7 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 7 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 8 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 8 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 9 on S11u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 9 on S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW drops downlink data byte for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with non-standard QCI on S11u interface.	Increments when S-GW drops downlink data packet for bearer with non-standard QCI on S11u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-packets	INT64	Incremental	active	Total uplink packets accepted by S-GW on S4u interface.	Increments when S-GW accepts uplink data packet on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-bytes	INT64	Incremental	active	Total uplink bytes accepted by S-GW on S4u interface.	Increments when S-GW accepts uplink data byte on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-packets	INT64	Incremental	active	Total downlink packets accepted by S-GW on S4u interface.	Increments when S-GW accepts downlink data packet on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-bytes	INT64	Incremental	active	Total downlink bytes accepted by S-GW on S4u interface.	Increments when S-GW accepts downlink data byte on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-dropped-packets	INT64	Incremental	active	Total uplink packets dropped by S-GW on S4u interface.	Increments when S-GW drops uplink data packet on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped by S-GW on S4u interface.	Increments when S-GW drops uplink data byte on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-dropped-packets	INT64	Incremental	active	Total downlink packets dropped by S-GW on S4u interface.	Increments when S-GW drops downlink data packet on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped by S-GW on S4u interface.	Increments when S-GW drops downlink data byte on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW accepts uplink data byte for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW accepts uplink data packet for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW accepts downlink data byte for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data pakcets accepted by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW accepts downlink data packet for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 1 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 1 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 2 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 2 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 3 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 3 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 4 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 4 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 5 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 5 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 6 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 6 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 7 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 7 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 8 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 8 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW drops downlink data byte for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 9 on S4u interface.	Increments when S-GW drops downlink data packet for bearer with QCI 9 on S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-dwnlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW drops downlink data byte for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s4u-dwnlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with non-standard QCI on S4u interface.	Increments when S-GW drops downlink data packet for bearer with non-standard QCI on S4u interface	Per S-GW Service	Standard
sgw	s12-uplnk-packets	INT64	Incremental	active	Total uplink packets accepted by S-GW on S12 interface.	Increments when S-GW accepts uplink data packet on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-bytes	INT64	Incremental	active	Total uplink bytes accepted by S-GW on S12 interface.	Increments when S-GW accepts uplink data byte on S12 interface	Per S-GW Service	Standard
sgw	s12-dwnlnk-packets	INT64	Incremental	active	Total downlink packets accepted by S-GW on S12 interface.	Increments when S-GW accepts downlink data packet on S12 interface	Per S-GW Service	Standard
sgw	s12-dwnlnk-bytes	INT64	Incremental	active	Total downlink bytes accepted by S-GW on S12 interface.	Increments when S-GW accepts downlink data byte on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-dropped-packets	INT64	Incremental	active	Total uplink packets dropped by S-GW on S12 interface.	Increments when S-GW drops uplink data packet on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped by S-GW on S12 interface.	Increments when S-GW drops uplink data byte on S12 interface	Per S-GW Service	Standard
sgw	s12-dwnlnk-dropped-packets	INT64	Incremental	active	Total downlink packets dropped by S-GW on S12 interface.	Increments when S-GW dropss downlink data packet on S12 interface	Per S-GW Service	Standard
sgw	s12-dwnlnk-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped by S-GW on S12 interface.	Increments when S-GW drops downlink data byte for on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW accepts uplink data byte for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW accepts uplink data packet for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW accepts downlink data byte for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW accepts downlink data packet for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 1 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 1 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 2 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 2 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 3 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 3 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 4 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 4 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 5 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 5 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 6 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 6 on S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 7 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 7 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 8 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 8 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 9 on S12 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 9 on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW drops downlink data byte for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with non-standard QCI on S12 interface.	Increments when S-GW drops downlink data packet for bearer with non-standard QCI on S12 interface	Per S-GW Service	Standard
sgw	s5-uplnk-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW on S5 interface.	Increments when S-GW accepts uplink data packet on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW on S5 interface.	Increments when S-GW accepts uplink data byte on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW on S5 interface.	Increments when S-GW accepts downlink data packet on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW on S5 interface.	Increments when S-GW accepts downlink data byte on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW on S5 interface.	Increments when S-GW drops uplink data packet on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW on S5 interface.	Increments when S-GW drops uplink data byte on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW on S5 interface.	Increments when S-GW drops downlink data packet on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW on S5 interface.	Increments when S-GW drops downlink data byte on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW accepts uplink data byte for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW accepts uplink data packet for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW accepts downlink data byte for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW accepts downlink data packet for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 1 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 1 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 2 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 2 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 3 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 3 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 4 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 4 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 5 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 5 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 6 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 6 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 7 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 7 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 8 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 8 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW drops downlink data byte for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI 9 on S5 interface.	Increments when S-GW drops downlink data packet for bearer with QCI 9 on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW drops downlink data byte for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with non-standard QCI on S5 interface.	Increments when S-GW drops downlink data packet for bearer with non-standard QCI on S5 interface	Per S-GW Service	Standard
sgw	s8-uplnk-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW on S8 interface.	Increments when S-GW accepts uplink data packet on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW on S8 interface.	Increments when S-GW accepts uplink data byte on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW on S8 interface.	Increments when S-GW accepts downlink data packet on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW on S8 interface.	Increments when S-GW accepts downlink data byte on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW on S8 interface.	Increments when S-GW drops uplink data packet on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW on S8 interface.	Increments when S-GW drops uplink data bytes on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW on S8 interface.	Increments when S-GW drops downlink data packet on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW on S8 interface.	Increments when S-GW drops downlink data bytes on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI 9 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI 9 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 65 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 65 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 66 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 66 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 69 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 69 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 70 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 70 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with non-standard QCI on S8 interface.	Increments when S-GW accepts uplink data byte for bearer with non-standard QCI on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with non-standard QCI on S8 interface.	Increments when S-GW accepts uplink data packet for bearer with non-standard QCI on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI 9 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI 9 on S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with non-standard QCI on S8 interface.	Increments when S-GW drops uplink data byte for bearer with non-standard QCI on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with non-standard QCI on S8 interface.	Increments when S-GW drops uplink data packet for bearer with non-standard QCI on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 1 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 1 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 2 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 2 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 3 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 3 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 4 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 4 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 5 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 5 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 6 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 6 on S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 7 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 7 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 8 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 8 on S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI 9 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI 9 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI 9 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI70 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI other than 1 to 9, 65, 66, 69 and 70 on S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI other than 1 to 9, 65, 66, 69 and 70 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI other than 1 to 9, 65, 66, 69 and 70 on S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI other than 1 to 9, 65, 66, 69 and 70 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI1 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI1 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI1 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI1 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI2 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI2 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI2 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI2 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI3 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI3 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI3 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI3 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI4 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI4 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI4 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI4 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI5 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI5 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI5 on S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI5 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI6 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI6 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI7 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI7 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI7 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI7 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI8 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI8 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI8 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI8 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI9 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI9 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI9 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI9 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI other than 1 to 9 on S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI other than 1 to 9 on S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-packets	INT64	Incremental	active	Total uplink data packets received by S-GW on S5/S8 interface.	Increments when S-GW receives uplink data packet on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-bytes	INT64	Incremental	active	Total uplink data bytes received by S-GW on S5/S8 interface.	Increments by the number of uplink bytes sent on S5/s8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-packets	INT64	Incremental	active	Total downlink data packets received by S-GW on S5/S8 interface.	Increments when S-GW receives downlink data packet on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-bytes	INT64	Incremental	active	Total downlink data bytes received by S-GW on S5/S8 interface.	Increments when downlink bytes received on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW on S5/S8 interface.	Increments when S-GW drops uplink data packet on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW on S5/S8 interface.	Increments when uplink bytes dropped on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW on S5/S8 interface.	Increments when S-GW drops downlink data packet on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW on S5/S8 interface.	Increments when downlink data bytes dropped on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW accepts uplink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW accepts uplink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI8on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW drops uplink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW drops uplink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-downlnk-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-downlnk-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW accepts downlink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW accepts downlink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI1 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI1 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI2 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI2 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI3 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI3 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-downlnk-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI4 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI4 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI5 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI5 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI6 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI6 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI7 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI7 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI8 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI8 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI9 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 65 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 65 on the S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-downlnk-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 66 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 66 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 69 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 69 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 70 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 70 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW drops downlink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface.	Increments when S-GW drops downlink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-red	INT64	Incremental	active	Total uplink packets marked red with traffic policing.	Increments when packet is marked red in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-green	INT64	Incremental	active	Total uplink packets marked green with traffic policing.	Increments when packet is marked green in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-yellow	INT64	Incremental	active	Total uplink packets marked yellow with traffic policing.	Increments when packet is marked yellow in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-red	INT64	Incremental	active	Total uplink bytes marked red with traffic policing.	Increments when data byte is marked red in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-green	INT64	Incremental	active	Total uplink bytes marked green with traffic policing.	Increments when data byte is marked green in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-yellow	INT64	Incremental	active	Total uplink bytes marked yellow with traffic policing.	Increments when data byte is marked yellow in traffic policing.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	trafpol-downlnk-pkts-red	INT64	Incremental	active	Total downlink packets marked red with traffic policing.	Increments when packet is marked red in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-pkts-green	INT64	Incremental	active	Total downlink packets marked green with traffic policing.	Increments when packet is marked green in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-pkts-yellow	INT64	Incremental	active	Total downlink packets marked yellow with traffic policing.	Increments when packet is marked yellow in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-bytes-red	INT64	Incremental	active	Total downlink bytes marked red with traffic policing.	Increments when data byte is marked red in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-bytes-green	INT64	Incremental	active	Total downlink bytes marked green with traffic policing.	Increments when data byte is marked green in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-bytes-yellow	INT64	Incremental	active	Total downlink bytes marked yellow with traffic policing.	Increments when data byte is marked yellow in traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-dropped	INT64	Incremental	active	Total uplink packets dropped with traffic policing.	Increments when uplink data packet is dropped with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-low_ip_prec	INT64	Incremental	active	Total uplink packets marked for low IP precedence with traffic policing.	Increments when uplink packet is marked for low IP precedence with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-pkts-xmitted	INT64	Incremental	active	Total uplink packets transmitted with traffic policing.	Increments when uplink packet is transmitted with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-dropped	INT64	Incremental	active	Total uplink bytes dropped with traffic policing.	Increments when uplink byte is dropped with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-low_ip_prec	INT64	Incremental	active	Total uplink bytes marked for low IP precedence with traffic policing.	Increments when uplink byte is marked for low IP precedence with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-uplnk-bytes-xmitted	INT64	Incremental	active	Total uplink bytes transmitted.	Increments when uplink byte is transmitted with traffic policing..	Per S-GW Service	Standard
sgw	trafpol-downlnk-pkts-dropped	INT64	Incremental	active	Total downlink packets dropped with traffic policing.	Increments when downlink packet is dropped with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-pkts-low_ip_prec	INT64	Incremental	active	Total downlink packets marked for low IP precedence with traffic policing.	Increments when downlink packet is marked for low IP precedence with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-pkts-xmitted	INT64	Incremental	active	Total downlink packets transmitted with traffic policing.	Increments when downlink packet is transmitted with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-bytes-dropped	INT64	Incremental	active	Total downlink bytes dropped with traffic policing.	Increments when downlink byte is dropped with traffic policing.	Per S-GW Service	Standard
sgw	trafpol-downlnk-bytes-low_ip_prec	INT64	Incremental	active	Total downlink bytes marked for low IP precedence with traffic policing.	Increments when downlink byte is marked for low IP precedence with traffic policing.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	trafpol-downlnk-bytes-xmitted	INT64	Incremental	active	Total downlink bytes transmitted with traffic policing.	Increments when downlink byte is transmitted with traffic policing.	Per S-GW Service	Standard
sgw	ddn-notifications-throttled	INT32	Incremental	active	Total number of DDNs throttled.	Increments when DDN message is throttled.	Per S-GW Service	Standard
sgw	lcl-cleanup-bearer-not-in-same-state	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer not being in the same state.	Increments when EGTPC removes the bearer which is not in same state.	Per S-GW Service	Standard
sgw	lcl-cleanup-bearer-not-in-correct-state	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer not being in the correct state.	Increments when EGTPC removes the bearer which is not in correct state.	Per S-GW Service	Standard
sgw	lcl-cleanup-dup-data-teid	INT32	Incremental	active	The total number of EGTPC removals that occurred due to duplicate data tunnel endpoint identifiers.	Increments when EGTPC removes call due to the duplicate data tunnel endpoint indentifiers.	Per S-GW Service	Standard
sgw	lcl-cleanup-remote-addr-not-compatible	INT32	Incremental	active	The total number of EGTPC removals that occurred due a remote address that was not compatible.	Increments when EGTPC removes the call due a remote address that was not compatible.	Per S-GW Service	Standard
sgw	lcl-cleanup-bad-peer	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the a bad peer.	Increments when EGTPC removes the call due to bad peer.	Per S-GW Service	Standard
sgw	lcl-cleanup-bearer-ctxt-missing	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer having a missing context.	Increments when EGTPC removes the call due to the bearer having missing context.	Per S-GW Service	Standard
sgw	ntsr-peer-failure-pdn-retained	INT32	Incremental	active	The total number of PDNs retained for Network Triggered Service Restoration (NTSR) with a peer node failure.	Increments when PDN is retained for NTSR with a peer node failure.	Per S-GW Service	Standard
sgw	ntsr-peer-failure-pdn-restored	INT32	Incremental	active	The total number of PDNs restored for Network Triggered Service Restoration (NTSR) with a peer node failure. PDN is restored after receiving Modify Bearer Request from alternate MME.	Increments when PDN is restored for NTSR with peer node restart after MBR from alternate MME/S4-SGSN.	Per S-GW Service	Standard
sgw	ntsr-peer-failure-pdn-released	INT32	Incremental	active	The total number of PDNs released for Network Triggered Service Restoration (NTSR) with a peer node failure after NTSR session hold timer.	Increments when PDN is released after NTSR session hold timer with a peer node failure.	Per S-GW Service	Standard
sgw	ntsr-peer-restart-pdn-retained	INT32	Incremental	active	The total number of PDNs retained for Network Triggered Service Restoration (NTSR) with a peer node restart.	Increments when PDN is retained for NTSR with a peer node restart.	Per S-GW Service	Standard
sgw	ntsr-peer-restart-pdn-restored	INT32	Incremental	active	The total number of PDNs restored for Network Triggered Service Restoration (NTSR) with peer node restart. PDN is restored after receiving Modify Bearer Request from restarted MME/S4-SGSN.	Increments when PDN is restored for NTSR with peer node restart after MBR from restarted MME/S4-SGSN.	Per S-GW Service	Standard
sgw	ntsr-peer-restart-pdn-released	INT32	Incremental	active	The total number of PDNs released for Network Triggered Service Restoration (NTSR) with a peer node failure after NTSR session hold timer.	Increments when PDN is released after NTSR session hold timer with a peer restart.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	sessstat-pdn-emps-current-active	INT32	Gauge	active	The total number of currently active SGW eMPS PDNs.	Increments when any S-GW PDN is setup as an eMPS PDN or upgrades to an eMPS PDN. Decrements when an eMPS S-GW PDN is released or when it degrades to a non-eMPS PDN.	Per S-GW Service	Standard
sgw	sessstat-pdn-emps-cumulative-activated	INT32	Incremental	active	The total number of SGW PDNs that are either setup as an eMPS PDN or upgrades to an eMPS PDN.	Increments when any S-GW PDN is setup as an eMPS PDN or upgrades to an eMPS PDN.	Per S-GW Service	Standard
sgw	sessstat-pdn-emps-cumulative-deactivated	INT32	Incremental	active	The total number of SGW PDNs that were either released or degrades to a non-eMPS PDN.	Increments when an eMPS S-GW PDN is released or when it degrades to a non-eMPS PDN.	Per S-GW Service	Standard
sgw	sessstat-pdn-dcnr-current-active	INT32	Gauge	active	The total number of currently active SGW DCNR PDNs.	Increments when any S-GW PDN is setup as a DCNR PDN. Decrements when a S-GW DCNR PDN is released.	Per S-GW Service	Standard
sgw	sessstat-pdn-dcnr-cumulative-activated	INT32	Incremental	active	The total number of SGW PDNs that are setup as a DCNR PDN.	Increments when any S-GW PDN is setup as a DCNR PDN.	Per S-GW Service	Standard
sgw	sessstat-pdn-dcnr-cumulative-activated	INT32	Incremental	active	PDN.	PDN.	Per S-GW Service	Standard
sgw	sessstat-pdn-dcnr-cumulative-deactivated	INT32	Incremental	active	The total number of SGW DCNR PDNs released.	Increments when a S-GW DCNR PDN is released .	Per S-GW Service	Standard
sgw	totepsbearactive-qci80	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 80.	Increments when QCI80 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci82	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 82.	Increments when QCI82 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearactive-qci83	INT32	Gauge	active	Total EPS Bearers Active with QCI value of 83.	Increments when QCI83 bearer is created and decrements when its released.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci80	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 80.	Increments when QCI80 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci82	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 82.	Increments when QCI82 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearsetup-qci83	INT32	Incremental	active	Total EPS Bearers Setup with QCI value of 83.	Increments when QCI83 bearer is setup.	Per S-GW Service	Standard
sgw	totepsbearrel-qci80	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 80 .	Increments when QCI80 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci82	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 82 .	Increments when QCI82 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearrel-qci83	INT32	Incremental	active	Total EPS Bearers Released with QCI value of 83 .	Increments when QCI83 EPS bearer is released.	Per S-GW Service	Standard
sgw	totepsbearmod-qci80	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 80.	Increments when QCI80 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci82	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 82.	Increments when QCI82 EPS bearer is modified.	Per S-GW Service	Standard
sgw	totepsbearmod-qci83	INT32	Incremental	active	Total EPS Bearers Modified with QCI value of 83.	Increments when QCI83 EPS bearer is modified.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pgw-qci80	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 80 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 80 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci82	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 82 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 82 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pgw-qci83	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 83 released with reason P-GW initiated.	Increments when a dedicated EPS bearer of QCI 83 is released with reason P-GW initiated.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci80	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 80 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci82	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 82 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s1err-qci83	INT32	Incremental	active	Total dedicated EPS Bearers of QCI 83 released with reason S1 error indication.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S1 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s5err-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S5 Error Indication.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S5 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s4err-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S4 Error Indication.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S4 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S12 error indication.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-s12err-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-s12err-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S12 error indication.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S12 error indication.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with local reason.	Increments when a dedicated EPS bearer of QCI 80 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with local reason.	Increments when a dedicated EPS bearer of QCI 82 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-local-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with local reason.	Increments when a dedicated EPS bearer of QCI 83 is released with local reason.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 80 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 82 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pdn-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released due to PDN cleanup.	Increments when a dedicated EPS bearer of QCI 83 is released due to PDN cleanup.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s1-u-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S1-U path failure.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S1-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S5-U path failure.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-pathfail-s5-u-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S5-U path failure.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S5-U path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci80	INT32	Incremental	active	Total dedicated EPS bearers of QCI 80 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 80 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci82	INT32	Incremental	active	Total dedicated EPS bearers of QCI 82 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 82 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s5-qci83	INT32	Incremental	active	Total dedicated EPS bearers of QCI 83 released with reason S5 path failure.	Increments when a dedicated EPS bearer of QCI 83 is released with reason S5 path failure.	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 80 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 80 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 82 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 82 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s11-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 83 released due to a Path Failure on the S11 interface	Increments when dedicated bearer with QCI 83 is released due to a Path failure on the S11 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 80 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 80 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 82 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 82 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s12-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 83 released due to a Path Failure on the S12 interface	Increments when dedicated bearer with QCI 83 is released due to a Path failure on the S12 interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 80 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 80 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 82 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 82 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-pathfail-s4-u-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI of 83 released due to a Path Failure on the S4-U interface	Increments when dedicated bearer with QCI 83 is released due to a Path failure on the S4-U interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 80 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 82 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-inactivity-timeout-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to an Inactivity Timeout	Increments when a dedicated bearer with QCI 83 is released due to an Inactivity timeout	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to Other reason	Increments when a dedicated bearer with QCI 80 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to Other reason	Increments when a dedicated bearer with QCI 82 is released due to Other reason	Per S-GW Service	Standard
sgw	totepsbearrel-dedrsn-other-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to Other reason	Increments when a dedicated bearer with QCI 83 is released due to Other reason	Per S-GW Service	Standard
sgw	datastat-uplink-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 80	Increments when a S-GW receives an uplink data byte for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-uplink-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 82	Increments when a S-GW receives an uplink data byte for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-uplink-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes received for a bearer with QCI 83	Increments when a S-GW receives an uplink data byte for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-uplink-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 80	Increments when a S-GW receives an uplink data packet for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-uplink-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 82	Increments when a S-GW receives an uplink data packet for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-uplink-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets received for a bearer with QCI 83	Increments when a S-GW receives an uplink data packet for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci80totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 80	Increments when a S-GW drops uplink data byte for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci82totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 82	Increments when a S-GW drops uplink data byte for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci83totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped for a bearer with QCI 83	Increments when a S-GW drops uplink data byte for a bearer with QCI 83	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	datastat-uplink-dropstat-qci80totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 80	Increments when a S-GW drops uplink data packet for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci82totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 82	Increments when a S-GW drops uplink data packet for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-uplink-dropstat-qci83totpkt	INT32	Incremental	active	The total number of uplink data packets dropped for a bearer with QCI 83	Increments when a S-GW drops uplink data packet for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-downlink-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 80	Increments when a S-GW receives downlink data byte for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-downlink-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 82	Increments when a S-GW receives downlink data byte for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-downlink-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes received for a bearer with QCI 83	Increments when a S-GW receives downlink data byte for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-downlink-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 80	Increments when a S-GW receives downlink data packet for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-downlink-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 82	Increments when a S-GW receives downlink data packet for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-downlink-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets received for a bearer with QCI 83	Increments when a S-GW receives downlink data packet for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci80totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 80	Increments when a S-GW drops downlink data byte for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci82totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 82	Increments when a S-GW drops downlink data byte for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci83totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped for a bearer with QCI 83	Increments when a S-GW drops downlink data byte for a bearer with QCI 83	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci80totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 80	Increments when a S-GW drops downlink data packet for a bearer with QCI 80	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci82totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 82	Increments when a S-GW drops downlink data packet for a bearer with QCI 82	Per S-GW Service	Standard
sgw	datastat-downlink-dropstat-qci83totpkt	INT32	Incremental	active	The total number of downlink data packets dropped for a bearer with QCI 83	Increments when a S-GW drops downlink data packet for a bearer with QCI 83	Per S-GW Service	Standard
sgw	s1u-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s1u-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S1u interface	Per S-GW Service	Standard
sgw	s1u-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S1u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S1u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes received by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW receives an uplink data byte for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets received by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW receives an uplink data packet for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s11u-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S11u interface	Per S-GW Service	Standard
sgw	s11u-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S11u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S11u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s4u-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data pakcets accepted by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S4u interface	Per S-GW Service	Standard
sgw	s4u-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S4u interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S4u interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s12-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S12 interface	Per S-GW Service	Standard
sgw	s12-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S12 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S12 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S5 interface	Per S-GW Service	Standard
sgw	s5-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S5 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S5 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 80 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 82 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 83 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 80 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 82 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 83 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S8 interface	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S8 interface	Per S-GW Service	Standard
sgw	s8-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S8 interface	Per S-GW Service	Standard
sgw	s8-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI80 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI82 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI83 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s8-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S8 interface.	Per S-GW Service	Standard
sgw	s8-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data byte for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW accepts an uplink data packet for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW drops an uplink data byte for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-uplnk-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-uplnk-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW drops an uplink data packet for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data byte for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW accepts a downlink data packet for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW drops a downlink data byte for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 80 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 80 on the S5/S8 interface.	Per S-GW Service	Standard
sgw	s5s8-downlnk-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 82 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 82 on the S5/S8 interface.	Per S-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgw	s5s8-downlnk-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by S-GW for a bearer with QCI 83 on the S5/S8 interface.	Increments when a S-GW drops a downlink data packet for a bearer with QCI 83 on the S5/S8 interface.	Per S-GW Service	Standard
pgw	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the P-GW service.	Configuration	Per Context	Standard
pgw	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the P-GW service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
pgw	servname	STRING	Primary-key	active	Displays the name of the P-GW service for which the statistics are displayed.	Configuration	Per PGW Service	Standard
pgw	servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the P-GW service. This is an internal reference number.	Generated During System Startup	Per P-GW Service	Standard
pgw	sess-cur	INT32	Gauge	active	The total number of sessions currently established on this system.	Increments on PGW call establishment. Decrements on PGW call release.	Per P-GW Service	Standard
pgw	ue-active	INT32	Gauge	active	The total number of active subscribers.	Increments on PGW Call establishment. Decrements on PGW Call release.	Per P-GW Service	Standard
pgw	ue-s6b-assume-positive	INT32	Gauge	active	Current S6b assumed positive subscriber count.	Total number of active subscribers for which S6b auth assumed positive.	Per P-GW Service	Standard
pgw	sessstat-bearact-def	INT32	Gauge	active	Session Statistics - Total default bearers active	Increments on PGW Call establishment. Decrements on PGW Call release.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-def	INT32	Gauge	active	Session Statistics - Total emergency default bearers active.	Increments on PGW Emergency call establishment. Decrements on PGW Emergency call release.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-auth-imsi-def	INT32	Gauge	active	Session Statistics - Total emergency default bearers (Auth-IMSI) active.	Increments when PGW Authorized IMSI Emergency default bearer is created. Decrements when PGW Authorized IMSI Emergency default bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-unauth-imsi-def	INT32	Gauge	active	Session Statistics - Total emergency default bearers (Unauth-IMSI) active.	Increments when PGW Un-authorized IMSI Emergency default bearer is created. Decrements when PGW Un-authorized IMSI Emergency default bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-only-imei-def	INT32	Gauge	active	Session Statistics - Total emergency default bearers (Only IMEI) active.	Increments when PGW IMEI-only Emergency default bearer is created. Decrements when PGW IMEI-only Emergency default bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-ded	INT32	Gauge	active	Session Statistics - Total dedicated bearers active	Increments when PGW Dedicated bearer is created. Decrements when PGW Dedicated bearer is deleted.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearact-ue-init-ded	INT32	Gauge	active	Session Statistics - Total bearers active - UE-initiated	Increments when PGW UE-initiated Dedicated bearer is created. Decrements when PGW UE-initiated Dedicated bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-nw-init-ded	INT32	Gauge	active	Session Statistics - Total bearers active - Network-initiated	Increments when PGW Network-initiated Dedicated bearer is created. Decrements when PGW Network-initiated Dedicated bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-ded	INT32	Gauge	active	Session Statistics - Total emergency dedicated bearers active	Increments when PGW Emergency dedicated bearer created. Decrements when PGW Emergency dedicated bearer deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-auth-imsi-ded	INT32	Gauge	active	Session Statistics - Total emergency dedicated bearers (Auth-IMSI) active	Increments when PGW Authorized IMSI Emergency dedicated bearer is created. Decrements when PGW Authorized IMSI Emergency dedicated bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-unauth-imsi-ded	INT32	Gauge	active	Session Statistics - Total emergency dedicated bearers (Unauth-IMSI) active	Increments when PGW Un-authorized IMSI Emergency dedicated bearer is created. Decrements when PGW Un-authorized IMSI Emergency dedicated bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-emergency-only-imei-ded	INT32	Gauge	active	Session Statistics - Total emergency dedicated bearers (Only IMEI) active	Increments when PGW IMEI-only Emergency dedicated bearer is created. Decrements when PGW IMEI-only Emergency dedicated bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-bearact-nw-init-ded-att	INT32	Gauge	active	Session Statistics - Total bearers - Network-initiated dedicated bearers attempted	Network-initiated dedicated bearers creation attempted.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-def	INT32	Incremental	active	Session Statistics - Total default bearers setup.	Increments whenever a default bearer gets created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-def	INT32	Incremental	active	Session Statistics - Total emergency default bearers setup	Increments whenever an Emergency call is setup.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-auth-imsi-def	INT32	Incremental	active	Session Statistics - Total emergency default bearers (Auth-IMSI) setup	Increments whenever an Authorized IMSI emergency call setup.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-unauth-imsi-def	INT32	Incremental	active	Session Statistics - Total emergency default bearers (Unauth-IMSI) setup	Increments whenever an Un-authorized IMSI emergency call setup.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-only-imei-def	INT32	Incremental	active	Session Statistics - Total emergency default bearers (Only IMEI) setup	Increments whenever an IMEI-only emergency call setup.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-ded	INT32	Incremental	active	Session Statistics - Total dedicated bearers setup	Increments whenever a Dedicated bearer created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-ue-init-ded	INT32	Incremental	active	Session Statistics - Total bearers setup - Dedicated bearers - UE-intitiated	Increments whenever an UE-Initiated dedicated bearer created.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearsetup-nw-init-ded	INT32	Incremental	active	Session Statistics - Total bearers setup - Dedicated bearers - Network-initiated	Increments whenever a Network-Initiated dedicated bearers created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-ded	INT32	Incremental	active	Session Statistics - Total emergency dedicated bearers setup	Increments whenever an Emergency dedicated bearer created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-auth-imsi-ded	INT32	Incremental	active	Session Statistics - Total emergency dedicated bearers (Auth-IMSI) setup	Increments whenever an Authorized IMSI emergency dedicated bearer created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-unauth-imsi-ded	INT32	Incremental	active	Session Statistics - Total emergency dedicated bearers (Unauth-IMSI) setup	Increments whenever an Un-authorized IMSI emergency dedicated bearer created.	Per P-GW Service	Standard
pgw	sessstat-bearsetup-emergency-only-imei-ded	INT32	Incremental	active	Session Statistics - Total emergency dedicated bearers (Only IMEI) setup	Increments whenever an IMEI-only emergency dedicated bearer created.	Per P-GW Service	Standard
pgw	sessstat-bearrel-def	INT32	Incremental	active	Session Statistics - Total default bearers released	Increments whenever a Call is released	Per P-GW Service	Standard
pgw	sessstat-bearrel-ded	INT32	Incremental	active	Session Statistics - Total dedicated bearers released	Increments whenever a Dedicated bearer is deleted	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefadmin	INT32	Incremental	active	Session Statistics - Total default bearers released due to Admin disconnect	Increments whenever a Default Bearer is deleted due to Admin disconnect.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefgtp	INT32	Incremental	active	Session Statistics - Total default bearers released due to GTP-U error ind	Increments whenever a Default Bearer deleted due to GTP-U error ind.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefsgw	INT32	Incremental	active	Session Statistics - Total default bearers released due to S-GW Path failure	Increments whenever a Default Bearer deleted due to S-GW path failure.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefs4sgsn	INT32	Incremental	active	Session Statistics - Total default bearers released due to S4 SGSN initiated release	Increments whenever a PDN session is released by S4 SGSN (2G & 3G).	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefmme	INT32	Incremental	active	Session Statistics - Total default bearers released due to MME initiated release	Increments whenever a PDN session is released by MME (4G).	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdeflocalfallbacktimeout	INT32	Incremental	active	Session Statistics - Total default bearers released due to local policy initiated release after timeout.	Whenever a P-GW call falls back to a local (QoS) policy, the policy can have a timer configured for fallback events. When this timer expires, and the policy activates an action to terminate the session, this counter is incremented.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdefpcscf	INT32	Incremental	active	Total default bearers released due to UE P-CSCF Reselection not being supported.	Increments whenever a default bearer is deleted when P-CSCF Restoration happens without UE P-CSCF Reselection capability.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdedadmin	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to Admin disconnect	Increments whenever a Dedicated Bearer deleted due to Admin disconnect.	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdedgtp	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to GTP-U error ind	Increments whenever a Dedicated Bearer deleted due to GTP-U error ind	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearrel-nwdedmme	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to MME initiated release	Increments whenever a Dedicated Bearer deleted due to MME initiated release	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdeddefbear	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to Default bearer release	Increments whenever a Dedicated Bearer deleted due to default bearer deletion	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdedgxdisc	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to GX Disconnect	Increments whenever a Dedicated Bearer deleted due to disconnect from Gx	Per P-GW Service	Standard
pgw	sessstat-bearrel-nwdeds4sgsn	INT32	Incremental	active	Session Statistics - Total dedicated bearers released due to S4 SGSN initiated release	Increments whenever a Dedicated Bearer deleted due to S4 SGSN initiated release	Per P-GW Service	Standard
pgw	sessstat-bearrelfail-def	INT32	Incremental	active	Session Statistics - Total bearers release failure - Default bearers	Increments whenever a Default bearer deletion fails	Per P-GW Service	Standard
pgw	sessstat-bearrelfail-ded	INT32	Incremental	active	Session Statistics - Total bearers release failure - Dedicated bearers	Increments whenever a Dedicated bearer deletion fails	Per P-GW Service	Standard
pgw	sessstat-bearrej-def	INT32	Incremental	active	Session Statistics - Total bearers rejected - Default bearers.	Increments whenever a default bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-ded	INT32	Incremental	active	Session Statistics - Total bearers rejected - Dedicated bearers	Increments whenever a dedicated bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-emergency-def	INT32	Incremental	active	Session Statistics - Total bearers rejected - Emergency default bearers	Increments whenever an emergency default bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-emergency-ded	INT32	Incremental	active	Session Statistics - Total bearers rejected - Emergency dedicated bearers	Increments whenever an emergency dedicated bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource	Increments whenever a bearer creation gets rejected due to No resource.	Per P-GW Service	Standard
pgw	sessstat-bearrej-uereq	INT32	Incremental	active	Session Statistics - Total bearers rejected - UE-req reject	Increments whenever an ue-requested bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-uereq-nores	INT32	Incremental	active	Session Statistics - Total bearers rejected - UE-req reject - No Resource	Increments whenever an UE-requested bearer creation gets rejected due to No resource.	Per P-GW Service	Standard
pgw	sessstat-bearrej-misapn	INT32	Incremental	active	Session Statistics - Total bearers rejected - Missing or unknown APN	Increments whenever a bearer creation gets rejected due to missing or unknown APN	Per P-GW Service	Standard
pgw	sessstat-bearrej-nwreq	INT32	Incremental	active	Session Statistics - Total bearers rejected - Network-req reject	Increments whenever an network-requested bearer creation gets rejected.	Per P-GW Service	Standard
pgw	sessstat-bearrej-nwreq-nores	INT32	Incremental	active	Session Statistics - Total bearers rejected - Network-req reject - No Resource	Increments whenever an network-requested bearer creation gets rejected due to No resource.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearrej-nwreq-nomem	INT32	Incremental	active	Session Statistics - Total bearers rejected - Network-req reject - No memory available	Increments whenever an network-requested bearer creation gets rejected due to No memory available.	Per P-GW Service	Standard
pgw	sessstat-bearrej-nwreq-sysfail	INT32	Incremental	active	Session Statistics - Total bearers rejected - Network-req reject - System failure	Increments whenever an network-requested bearer creation gets rejected due to System failure.	Per P-GW Service	Standard
pgw	sessstat-bearrej-apnmode	INT32	Incremental	active	Session Statistics - Total bearers rejected - APN selection - Mode mismatch	Increments whenever a bearer creation gets rejected due to APN selection mode mismatch.	Per P-GW Service	Standard
pgw	sessstat-bearrej-pdn	INT32	Incremental	active	Session Statistics - Total bearers rejected - Pref PDN -Type not supported	Increments whenever a bearer creation gets rejected due to Pref PDN type not supported.	Per P-GW Service	Standard
pgw	sessstat-bearrej-apnrestr	INT32	Incremental	active	Session Statistics - Total bearers rejected - APN restr violation	Increments whenever a bearer creation gets rejected due to APN restr violation.	Per P-GW Service	Standard
pgw	sessstat-bearrej-subsauth	INT32	Incremental	active	Session Statistics - Total bearers rejected - Subs auth failed	Increments whenever a bearer creation gets rejected due to subscriber auth failure.	Per P-GW Service	Standard
pgw	sessstat-bearrej-subsaddrnotallow	INT32	Incremental	active	Session Statistics - Total bearers rejected - Subscriber\\'s static address not allowed	Increments whenever a bearer creation gets rejected due to subscriber static address not allowed.	Per P-GW Service	Standard
pgw	sessstat-bearrej-subsaddrnotalloc	INT32	Incremental	active	Session Statistics - Total bearers rejected - Subscriber\\'s static address not allocated	Increments whenever a bearer creation gets rejected due to subscriber static address not allocated.	Per P-GW Service	Standard
pgw	sessstat-bearrej-dynaddrnotalloc	INT32	Incremental	active	Session Statistics - Total bearers rejected - Dynamic address not allocated	Increments whenever a bearer creation gets rejected due to subscriber dynamic address not allocated.	Per P-GW Service	Standard
pgw	sessstat-bearrej-subsaddrnotpres	INT32	Incremental	active	Session Statistics - Total bearers rejected - Subscriber\\'s static address not present	Increments whenever a bearer creation gets rejected due to subscriber static address not present.	Per P-GW Service	Standard
pgw	sessstat-bearmod-ueinit	INT32	Incremental	active	Session Statistics - Total bearers modified - UE-initiated modification	Increments whenever a bearer is modified due to UE initiated procedure.	Per P-GW Service	Standard
pgw	sessstat-bearmod-nwinit	INT32	Incremental	active	Session Statistics - Total bearers modified - Network-initiated modification	Increments whenever a bearer is modified due to network initiated procedure.	Per P-GW Service	Standard
pgw	sessstat-bearmod-ueqos	INT32	Incremental	active	Session Statistics - Total bearers modified - UE-initiated quality of service (QoS) modification	Increments whenever a bearer is modified due to UE initiated QoS modification.	Per P-GW Service	Standard
pgw	sessstat-bearmod-uetft	INT32	Incremental	active	Session Statistics - Total bearers modified - UE-initiated TFT modification	Increments whenever a bearer is modified due to UE initiated TFT modification.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearmod-nwqos	INT32	Incremental	active	Session Statistics - Total bearers modified - Network-initiated QoS modification	Increments whenever a bearer is modified due to network initiated QoS modification.	Per P-GW Service	Standard
pgw	sessstat-bearmod-nwtft	INT32	Incremental	active	Session Statistics - Total bearers modified - Network-initiated TFT modification	Increments whenever a bearer is modified due to network initiated TFT modification.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-ueinit	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated modification failed	Increments whenever an UE-initiated bearer modification fails.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwinit	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated modification failed	Increments whenever a network initiated bearer modification fails.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-uenores	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated No res available	Increments whenever an UE-initiated bearer modification fails due to no resource.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-uesemtft	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated Semantic error in TFT operation	Increments whenever an UE-initiated bearer modification fails due to Semantic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-uesyntft	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated Syntactic error in TFT operation	Increments whenever an UE-initiated bearer modification fails due to Syntactic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-uesempkt	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated Semantic error in packet filter	Increments whenever an UE-initiated bearer modification fails due to Semantic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-uesynpkt	INT32	Incremental	active	Session Statistics - Total bearers modification failure - UE-initiated syntax error in packet filter	Increments whenever an UE-initiated bearer modification fails due to Syntactic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwnores	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated - No res available	Increments whenever a network-initiated bearer modification fails due to no resource.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwnomem	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated - No memory available	Increments whenever a network-initiated bearer modification fails due to no memory available.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwsysfail	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated - System failure	Increments whenever a network-initiated bearer modification fails due to System failure.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwsemtft	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated Semantic error in TFT oper	Increments whenever a network-initiated bearer modification fails due to Semantic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwsyntft	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated syntax error in TFT oper	Increments whenever a network-initiated bearer modification fails due to Syntactic error in TFT operation.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearmodfail-nwsempkt	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated Semantic error in packet filter	Increments whenever a network-initiated bearer modification fails due to Semantic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-nwsynpkt	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated syntactic error in packet filter	Increments whenever a network-initiated bearer modification fails due to Syntactic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-uenores	INT32	Incremental	active	Session Statistics - Total bearer modification failures - User equipment quality of service no resource	Increments whenever an UE-initiated bearer QoS modification fails due to No resource available.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-uesemtft	INT32	Incremental	active	Session Statistics - Total bearer modification failures - User equipment quality of service TFT semantics errors	Increments whenever an UE-initiated bearer QoS modification fails due to Symantic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-uesyntft	INT32	Incremental	active	Session Statistics - Total bearer modification failures - User equipment quality of service TFT syntactic errors	Increments whenever an UE-initiated bearer QoS modification fails due to Syntactic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-uesempkt	INT32	Incremental	active	Session Statistics - Total bearer modification failures - User equipment quality of service packet semantics errors	Increments whenever an UE-initiated bearer QoS modification fails due to Symantic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-uesynpkt	INT32	Incremental	active	Session Statistics - Total bearer modification failures - User equipment quality of service packet syntactic errors	Increments whenever an UE-initiated bearer QoS modification fails due to Syntactic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwnores	INT32	Incremental	active	Session Statistics - Total bearer modification failures - Network-initiated quality of service no resource	Increments whenever a network-initiated bearer QoS modification fails due to No resource available.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwnomem	INT32	Incremental	active	Session Statistics - Total bearer modification failures - Network-initiated quality of service no memory	Increments whenever a network-initiated bearer QoS modification fails due to No memory.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwsysfail	INT32	Incremental	active	Session Statistics - Total bearer modification failures - Network-initiated quality of service system failures	Increments whenever a network-initiated bearer QoS modification fails due to System failure.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwsemtft	INT32	Incremental	active	Session Statistics - Total bearer modification failures - Network-initiated quality of service - semantic error in TFT	Increments whenever a network-initiated bearer QoS modification fails due to Semantic error in TFT operation.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-bearmodfail-qos-nwsyntft	INT32	Incremental	active	Session Statistics - Total modified bearer failures - Network-initiated quality of service - syntactic error in TFT	Increments whenever a network-initiated bearer QoS modification fails due to Syntactic error in TFT operation.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwsempkt	INT32	Incremental	active	Session Statistics - Total modified bearer failures - Network quality of service - semantic error in packet filter	Increments whenever a network-initiated bearer QoS modification fails due to Semantic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-bearmodfail-qos-nwsynpkt	INT32	Incremental	active	Session Statistics - Total modified bearer failures - Network quality of service - syntactic error in packet filter	Increments whenever a network-initiated bearer QoS modification fails due to Syntactic error in packet filter.	Per P-GW Service	Standard
pgw	sessstat-beardel	INT32	Incremental	active	Session Statistics - Total bearers deleted.	Increments when bearer is deleted.	Per P-GW Service	Standard
pgw	sessstat-nw-init-qos-update-att	INT32	Incremental	active	Session Statistics - Total bearers modified - Network initiated - quality of service (QoS) modifications attempted	Increments when network initiated bearer modification is attempted with QoS change.	Per P-GW Service	Standard
pgw	sessstat-nw-init-no-qos-update-att	INT32	Incremental	active	Session Statistics - Total bearers modified - Network initiated - no quality of service (QoS) modifications attempted	Increments when network initiated bearer modification is attempted without QoS change.	Per P-GW Service	Standard
pgw	sessstat-nw-init-bearer-fail-cause	INT32	Incremental	active	Session Statistics - Total bearers modification failure - Network-initiated Syntax error in packet filter	Increments when network initiated bearer modification is failed due to syntax error.	Per P-GW Service	Standard
pgw	sessstat-ipv4v6-pdn-daf-false-recv	INT32	Incremental	active	It gives number of Create Session Requests/Create PDP Requests received with PDN Type IPv4v6 and DAF set to False on P-GW or GGSN service associated with P-GW service which is not associated with SAEGW.	When request for ipv4v6 pdn comes with daf false from MME/SGSN for either Standalone P or GnGp calls.	Per P-GW Service	Standard
pgw	sesstat-pdn-rat-eutran	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - EUTRAN	Increments when eutran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when eutran PDN goes down.	Per P-GW Service	Standard
pgw	sesstat-pdn-rat-utran	INT32	Gauge	active	Session Statistics - Total PDN Type Statistics - UTRAN	Increments when utran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when utran PDN goes down.	Per P-GW Service	Standard
pgw	sesstat-pdn-rat-geran	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - GERAN	Increments when geran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when geran PDN goes down.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sesstat-pdn-rat-wlan	INT32	Gauge	active	Session Statistics - Total PDN Type Statistics - WLAN	Increments when wlan PDN comes up during new pdn connection establishment or due to any handoff. Decrements when wlan PDN goes down.	Per P-GW Service	Standard
pgw	sesstat-pdn-rat-nb-iot	INT32	Gauge	active	Session Statistics - Total PDN Type Statistics - NB-IoT	Increments when NB-IoT PDN comes up during new pdn connection establishment. Decrements when NB-IoT PDN goes down.	Per P-GW Service	Standard
pgw	sesstat-pdn-rat-other	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - Other	Increments when eHRPD or any other PDN apart from EUTRAN, UTRAN, GERAN or WLAN comes up during new pdn connection establishment or due to any handoff. Decrements when PDN goes down.	Per P-GW Service	Standard
pgw	sessstat-rat-init-eutran	INT32	Incremental	active	Number of initiated EUTRAN PDNs	Incremented when new PDN request is received for RAT Type EUTRAN	Per PGW Service	Standard
pgw	sessstat-rat-init-utran	INT32	Incremental	active	Number of initiated UTRAN PDNs	Incremented when new PDN request is received for RAT Type UTRAN	Per PGW Service	Standard
pgw	sessstat-rat-init-geran	INT32	Incremental	active	Number of initiated GERAN PDNs	Incremented when new PDN request is received for RAT Type GERAN	Per PGW Service	Standard
pgw	sessstat-rat-init-ehrpd	INT32	Incremental	active	Number of initiated EHRPD PDNs	Incremented when new PDN request is received for RAT Type EHRPD	Per PGW Service	Standard
pgw	sessstat-rat-init-s2a-gtp	INT32	Incremental	active	Number of initiated S2a GTP PDNs (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2a GTP	Per PGW Service	Standard
pgw	sessstat-rat-init-s2b-gtp	INT32	Incremental	active	Number of initiated S2b GTP PDNs (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2b GTP	Per PGW Service	Standard
pgw	sessstat-rat-init-nb-iot-gtp	INT32	Incremental	active	Number of initiated NB-IoT PDNs (with RAT Type NB-IoT)	Incremented when new PDN request is received for RAT Type NB-IoT	Per PGW Service	Standard
pgw	sessstat-rat-init-s2b-pmip	INT32	Incremental	active	Number of initiated S2b PMIP PDNs (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2b PMIP	Per PGW Service	Standard
pgw	sessstat-pdn-ipv4active	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - IPv4 Active	Increments when IPv4 PDN is activated. Decrements when IPv4 PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv4setup	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv4 Setup	Increments when IPv4 PDN is setup.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv4rel	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv4 Released	Increments when IPv4 PDN is released.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-pdn-ipv6active	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - IPv6 Active	Increments when IPv6 PDN is activated. Decrements when IPv6 PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv6setup	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv6 Setup	Increments when IPv6 PDN is setup.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv6rel	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv6 Released	Increments when IPv6 PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv4v6active	INT32	Gauge	active	Session Statistics - Total PDN-Type Statistics - IPv4v6 Active	Increments when IPv4v6 PDN is activated. Decrements when IPv4v6 PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv4v6setup	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv4v6 Setup	Increments when IPv4v6 PDN is setup.	Per P-GW Service	Standard
pgw	sessstat-pdn-ipv4v6rel	INT32	Incremental	active	Session Statistics - Total PDN-Type Statistics - IPv4v6 Released	Increments when IPv4v6 PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-emps-current-active	INT32	Gauge	active	Session Statistics - eMPS PDN-Type Statistics - Current Active	Increments when any PDN is setup as an eMPS PDN or upgrades to an eMPS PDN. Decrements when an eMPS PDN is released or when it degrades to a non-eMPS PDN.	Per P-GW Service	Standard
pgw	sessstat-pdn-emps-cumulative-activated	INT32	Incremental	active	Session Statistics - eMPS PDN-Type Statistics - Cumulative PDNs Activated	Increments when any PDN is setup as an eMPS PDN or upgrades to an eMPS PDN.	Per P-GW Service	Standard
pgw	sessstat-pdn-emps-cumulative-deactivated	INT32	Incremental	active	Session Statistics - eMPS PDN-Type Statistics - Cumulative PDNs Deactivated	Increments when an eMPS PDN is released or when it degrades to a non-eMPS PDN.	Per P-GW Service	Standard
pgw	sessstat-pdn-dcnr-current-active	INT32	Gauge	active	Session Statistics - DCNR PDN-Type Statistics - Current Active	Increments when any PDN is setup as an DCNR PDN. Decrements when an DCNR PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-dcnr-cumulative-activated	INT32	Incremental	active	Session Statistics - DCNR PDN-Type Statistics - Cumulative PDNs Activated	Increments when any PDN is setup as an DCNR PDN.	Per P-GW Service	Standard
pgw	sessstat-pdn-dcnr-cumulative-deactivated	INT32	Incremental	active	Session Statistics - DCNR PDN-Type Statistics - Cumulative PDNs Deactivated	Increments when an DCNR PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-non-ip-active	INT32	Gauge	active	This statistic indicates the total number of active non-IP PDNs at P-GW	Increments when non-IP PDN is activated. Decrements when non-IP PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-non-ip-setup	INT32	Incremental	active	This statistic indicates the total number of non-IP PDNs setup at P-GW	Increments when non-IP PDN is setup.	Per P-GW Service	Standard
pgw	sessstat-pdn-non-ip-rel	INT32	Incremental	active	This statistic indicates the total number of non-IP PDNs released at P-GW	Increments when non-IP PDN is released.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-1	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 1.	Increments when PDN connection is established for Restoration-Priority-Level 1. Decrements when PDN connection is released for Restoration-Priority-Level 1.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-pdn-restore-priority-2	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 2.	Increments when PDN connection is established for Restoration-Priority-Level 2. Decrements when PDN connection is released for Restoration-Priority-Level 2.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-3	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 3.	Increments when PDN connection is established for Restoration-Priority-Level 3. Decrements when PDN connection is released for Restoration-Priority-Level 3.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-4	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 4.	Increments when PDN connection is established for Restoration-Priority-Level 4. Decrements when PDN connection is released for Restoration-Priority-Level 4.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-5	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 5.	Increments when PDN connection is established for Restoration-Priority-Level 5. Decrements when PDN connection is released for Restoration-Priority-Level 5.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-6	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 6.	Increments when PDN connection is established for Restoration-Priority-Level 6. Decrements when PDN connection is released for Restoration-Priority-Level 6.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-7	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 7.	Increments when PDN connection is established for Restoration-Priority-Level 7. Decrements when PDN connection is released for Restoration-Priority-Level 7.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-8	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 8.	Increments when PDN connection is established for Restoration-Priority-Level 8. Decrements when PDN connection is released for Restoration-Priority-Level 8.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-9	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 9.	Increments when a PDN connection is established for Restoration-Priority-Level 9. Decrements when a PDN connection is released for Restoration-Priority-Level 9.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-10	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 10.	Increments when a PDN connection is established for Restoration-Priority-Level 10. Decrements when a PDN connection is released for Restoration-Priority-Level 10.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-pdn-restore-priority-11	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 11.	Increments when a PDN connection is established for Restoration-Priority-Level 11. Decrements when a PDN connection is released for Restoration-Priority-Level 11.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-12	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 12.	Increments when a PDN connection is established for Restoration-Priority-Level 12. Decrements when a PDN connection is released for Restoration-Priority-Level 12.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-13	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 13.	Increments when a PDN connection is established for Restoration-Priority-Level 13. Decrements when a PDN connection is released for Restoration-Priority-Level 13.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-14	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 14.	Increments when a PDN connection is established for Restoration-Priority-Level 14. Decrements when a PDN connection is released for Restoration-Priority-Level 14.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-15	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 15.	Increments when a PDN connection is established for Restoration-Priority-Level 15. Decrements when a PDN connection is released for Restoration-Priority-Level 15.	Per P-GW Service	Standard
pgw	sessstat-pdn-restore-priority-16	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 16.	Increments when a PDN connection is established for Restoration-Priority-Level 16. Decrements when a PDN connection is released for Restoration-Priority-Level 16.	Per P-GW Service	Standard
pgw	sessstat-ipv4addaloc	INT32	Incremental	active	Session Statistics - IPv4 address allocation	Increments when IPv4 address is allocated.	Per P-GW Service	Standard
pgw	sessstat-ipaddaloc-ipv4loacalpool	INT32	Incremental	active	Session Statistics - IP address allocation Statistics - IPv4 Local pool address assign	Increments when IPv4 address is allocated from local pool.	Per P-GW Service	Standard
pgw	sessstat-ipaddaloc-ipv4staticaddr	INT32	Incremental	active	Session Statistics - IP address allocation Statistics - IPv4 Static address assign	Increments when static IPv4 address is allocated.	Per P-GW Service	Standard
pgw	sessstat-ipaddaloc-ipv4radaddr	INT32	Incremental	active	Session Statistics - IP address allocation Statistics - IPv4 Radius provided address assign	Increments when Radius provided IPv4 address is allocated.	Per P-GW Service	Standard
pgw	sessstat-ipv6addaloc	INT32	Incremental	active	Session Statistics - IPv6 address allocation	Increments when IPv6 address is allocated.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-ipaddaloc-ipv6auto	INT32	Incremental	active	Session Statistics - IP address allocation Statistics - IPv6 Stateless auto config	Increments when IPv6 address is allocated from stateless auto config.	Per P-GW Service	Standard
pgw	sessstat-non-ip-ipv4addaloc	INT32	Incremental	active	This statistic indicates the total number of times IPv4 address is allocated for non-IP P-GW PDNs	Increments when IPv4 address is allocated.	Per P-GW Service	Standard
pgw	sessstat-non-ip-ipv6addaloc	INT32	Incremental	active	This statistic indicates the total number of times IPv6 address is allocated for non-IP P-GW PDNs.	Increments when IPv6 address is allocated for a non-IP PDN.	Per P-GW Service	Standard
pgw	sessstat-non-ip-addaloc-ipv4loacalpool	INT32	Incremental	active	This statistic indicates the total number of times IPv4 address is allocated from local pool for non-IP P-GW PDNs.	Increments when IPv4 address is allocated from local pool for non-IP PDN.	Per P-GW Service	Standard
pgw	sessstat-non-ip-addaloc-ipv6loacalpool	INT32	Incremental	active	This statistic indicates the total number of times IPv6 address is allocated from local pool for non-IP P-GW PDNs.	Increments when IPv6 address is allocated from local pool for a non-IP PDN.	Per P-GW Service	Standard
pgw	subplmnstat-homesubact	INT32	Gauge	active	Subscriber PLMN Statistics - Home subscribers sessions active	Increments when session is activated for Home subscriber. Decrements when session is released for Home subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-homesubsetup	INT32	Incremental	active	Subscriber PLMN Statistics - Home subscribers sessions setup	Increments when session is setup for Home subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-homesubrel	INT32	Incremental	active	Subscriber PLMN Statistics - Home subscribers sessions released	Increments when session is released for Home subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-roamsubact	INT32	Gauge	active	Subscriber PLMN Statistics - Roaming subscribers sessions active	Increments when session is activated for Roaming subscriber. Decrements when session is released for Roaming subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-roamsubsetup	INT32	Incremental	active	Subscriber PLMN Statistics - Roaming subscribers sessions setup	Increments when session is setup for Roaming subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-roamsubrel	INT32	Incremental	active	Subscriber PLMN Statistics - Roaming subscribers sessions released	Increments when session is released for Roaming subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-visitsubact	INT32	Gauge	active	Subscriber PLMN Statistics - Visiting subscribers sessions active	Increments when session is activated for Visiting subscriber. Decrements when session is released for Visiting subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-visitsubsetup	INT32	Incremental	active	Subscriber PLMN Statistics - Visiting subscribers sessions setup	Increments when session is setup for Visiting subscriber.	Per P-GW Service	Standard
pgw	subplmnstat-visitsubrel	INT32	Incremental	active	Subscriber PLMN Statistics - Visiting subscribers sessions released	Increments when session is released for Visiting subscriber.	Per P-GW Service	Standard
pgw	sgitunstat-ipv4sessact	INT32	Gauge	active	SGi tunneling Statistics - IPv4 IP-in-IP tunnel sessions active	Increments when IPv4 IP-in-IP SGi tunnel is setup. Decrements when IPv4 IP-in-IP SGi tunnel is released.	Per P-GW Service	Standard
pgw	sgitunstat-ipv4sesssetup	INT32	Incremental	active	SGi tunneling Statistics - IPv4 IP-in-IP tunnel sessions setup	Increments when IPv4 IP-in-IP SGi tunnel is setup.	Per P-GW Service	Standard
pgw	sgitunstat-ipv4sessrel	INT32	Incremental	active	SGi tunneling Statistics - IPv4 IP-in-IP tunnel sessions released	Increments when IPv4 IP-in-IP SGi tunnel is released.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sgitunstat-ipv4gresessact	INT32	Gauge	active	SGi tunneling Statistics - IPv4 GRE tunnel sessions active	Increments when IPv4 GRE SGi tunnel is setup. Decrements when IPv4 GRE SGi tunnel is released.	Per P-GW Service	Standard
pgw	sgitunstat-ipv4gresesssetup	INT32	Incremental	active	SGi tunneling Statistics - IPv4 GRE tunnel sessions setup	Increments when IPv4 GRE SGi tunnel is setup.	Per P-GW Service	Standard
pgw	sgitunstat-ipv4gresessrel	INT32	Incremental	active	SGi tunneling Statistics - IPv4 GRE tunnel sessions released	Increments when IPv4 GRE SGi tunnel is released.	Per P-GW Service	Standard
pgw	sgitunstat-ipv6sessact	INT32	Gauge	active	SGi tunneling Statistics - IPv6 6to4 tunnel sessions active	Increments when IPv6 SGi tunnel is setup. Decrements when IPv6 SGi tunnel is released.	Per P-GW Service	Standard
pgw	sgitunstat-ipv6sesssetup	INT32	Incremental	active	SGi tunneling Statistics - IPv6 6to4 tunnel sessions setup	Increments when IPv6 SGi tunnel is setup.	Per P-GW Service	Standard
pgw	sgitunstat-ipv6sessrel	INT32	Incremental	active	SGi tunneling Statistics - IPv6 6to4 tunnel sessions released	Increments when IPv6 SGi tunnel is released.	Per P-GW Service	Standard
pgw	udptunstat-ipv4sessact	INT32	Gauge	active	This statistic indicates the total number of active UDP-IPv4 SGi tunnel.	Increments when UDP-IPv4 SGi tunnel is setup. Decrements when UDP-IPv4 SGi tunnel is released.	Per P-GW Service	Standard
pgw	udptunstat-ipv4sesssetup	INT32	Incremental	active	This statistic indicates the total number of UDP-IPv4 SGi tunnel setup at P-GW.	Increments when UDP-IPv4 SGi tunnel is setup.	Per P-GW Service	Standard
pgw	udptunstat-ipv4sessrel	INT32	Incremental	active	This statistic indicates the total number of UDP-IPv4 SGi tunnel released at P-GW.	Increments when UDP-IPv4 SGi tunnel is released.	Per P-GW Service	Standard
pgw	udptunstat-ipv6sessact	INT32	Gauge	active	This statistic indicates the total number of active UDP-IPv6 SGi tunnel.	Increments when UDP-IPv6 SGi tunnel is setup. Decrements when UDP-IPv6 SGi tunnel is released.	Per P-GW Service	Standard
pgw	udptunstat-ipv6sesssetup	INT32	Incremental	active	This statistic indicates the total number of UDP-IPv6 SGi tunnel setup at P-GW.	Increments when UDP-IPv6 SGi tunnel is setup.	Per P-GW Service	Standard
pgw	udptunstat-ipv6sessrel	INT32	Incremental	active	This statistic indicates the total number of UDP-IPv6 SGi tunnel released at P-GW.	Increments when UDP-IPv6 SGi tunnel is released.	Per P-GW Service	Standard
pgw	totsdr-lookupreq	INT32	Incremental	active	Session Discovery Request Statistics - Total SDR lookup requests	Increments when session discovery request is received.	Per P-GW Service	Standard
pgw	susssdr-lookupreq	INT32	Incremental	active	Session Discovery Request Statistics - Total succesful SDR lookup requests	Increments when session discovery request is succesful.	Per P-GW Service	Standard
pgw	sess-syncreq	INT32	Incremental	active	Session Discovery Request Statistics - Total session synch requests	Increments when session sync request is received.	Per P-GW Service	Standard
pgw	rule-inforeq	INT32	Incremental	active	Session Discovery Request Statistics - Total rule info requests	Increments when rule info request is received.	Per P-GW Service	Standard
pgw	rule-inforeqfail	INT32	Incremental	active	Session Discovery Request Statistics - Total rule info requests failed	Increments when rule info request is failed.	Per P-GW Service	Standard
pgw	handoverstat-intersgsnatt	INT32	Incremental	active	Handover Statistics - Total number of inter-SGSN handover attempts	Increments when inter-SGSN handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-intersgsnsucc	INT32	Incremental	active	Handover Statistics - Total number of successful inter-SGSN handovers	Increments when inter-SGSN handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-intersgsnfail	INT32	Incremental	active	Handover Statistics - Total number of failed inter-SGSN handovers	Increments when inter-SGSN handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-intersgwatt	INT32	Incremental	active	Handover Statistics - Total number of inter-SGW handover attempts	Increments when inter-SGW handover is attempted.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	handoverstat-intersgwsucc	INT32	Incremental	active	Handover Statistics - Total number of successful inter-SGW handovers	Increments when inter-SGW handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-intersgwfail	INT32	Incremental	active	Handover Statistics - Total number of failed inter-SGW handovers	Increments when inter-SGW handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-interhsgwatt	INT32	Incremental	active	Handover Statistics - Total number of inter-HSGW handover attempts	Increments when inter-HSGW handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-interhsgwsucc	INT32	Incremental	active	Handover Statistics - Total number of successful inter-HSGW handovers	Increments when inter-HSGW handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-interhsgwfail	INT32	Incremental	active	Handover Statistics - Total number of failed inter-HSGW handovers	Increments when inter-HSGW handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-gngptolteatt	INT32	Incremental	active	Handover Statistics - Number of Gn/Gp to LTE attempted handovers	Increments when Gn/Gp to LTE handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-gngptoltesucc	INT32	Incremental	active	Handover Statistics - Number of Gn/Gp to LTE successful handovers	Increments when Gn/Gp to LTE handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-gngptoltefail	INT32	Incremental	active	Handover Statistics - Number of Gn/Gp to LTE failed handovers	Increments when Gn/Gp to LTE handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-ltetogngpatt	INT32	Incremental	active	Handover Statistics - Number of LTE to Gn/Gp attempted handovers	Increments when LTE to Gn/Gp handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-ltetogngpsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to Gn/Gp successful handovers	Increments when LTE to Gn/Gp handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-ltetogngpfail	INT32	Incremental	active	Handover Statistics - Number of LTE to Gn/Gp failed handovers	Increments when LTE to Gn/Gp handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-ltetoehrpdatt	INT32	Incremental	active	Handover Statistics -Number of LTE to eHPRD attempted handovers	Increments when LTE to eHPRD handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-ltetoehrpdsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to eHPRD successful handovers	Increments when LTE to eHPRD handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-ltetoehrpdfail	INT32	Incremental	active	Handover Statistics - Number of LTE to eHRPD failed handovers	Increments when LTE to eHPRD handover is failed.	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtolteatt	INT32	Incremental	active	Handover Statistics - Number of eHPRD to LTE attempted handovers	Increments when eHPRD to LTE handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtoltesucc	INT32	Incremental	active	Handover Statistics - Number of eHPRD to LTE successful handovers	Increments when eHPRD to LTE handover is succeeded.	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtoltefail	INT32	Incremental	active	Handover Statistics - Number of eHPRD to LTE failed handovers	Increments when eHPRD to LTE handover is failed.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci1	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 1	Increments when bearer having QCI 1 is activated. Decrements when bearer having QCI 1 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci2	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 2	Increments when bearer having QCI 2 is activated. Decrements when bearer having QCI 2 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci3	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 3	Increments when bearer having QCI 3 is activated. Decrements when bearer having QCI 3 is released.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subqosstat-bearact-qci4	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 4	Increments when bearer having QCI 4 is activated. Decrements when bearer having QCI 4 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci5	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 5	Increments when bearer having QCI 5 is activated. Decrements when bearer having QCI 5 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci6	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 6	Increments when bearer having QCI 6 is activated. Decrements when bearer having QCI 6 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci7	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 7	Increments when bearer having QCI 7 is activated. Decrements when bearer having QCI 7 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci8	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 8	Increments when bearer having QCI 8 is activated. Decrements when bearer having QCI 8 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci9	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - QCI 9	Increments when bearer having QCI 9 is activated. Decrements when bearer having QCI 9 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci65	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 65	Increments when a subscriber activates a bearer having QCI 65. Decrements when a subscriber releases bearer having QCI 65.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci66	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 66	Increments when a subscriber activates a bearer having QCI 66. Decrements when a subscriber releases bearer having QCI 66.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci69	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 69	Increments when a subscriber activates a bearer having QCI 69. Decrements when a subscriber releases bearer having QCI 69.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci70	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 70	Increments when a subscriber activates a bearer having QCI 70. Decrements when a subscriber releases bearer having QCI 70.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qcinongbr	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - Non-Standard QCI (Non-GBR)	Increments when bearer having Non-Standard QCI (Non-GBR) is activated. Decrements when bearer having Non-Standard QCI (Non-GBR) is released.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subqosstat-bearact-qcigbr	INT32	Gauge	active	Subscriber QoS Statistics - Total bearers active - Non-Standard QCI (GBR)	Increments when bearer having Non-Standard QCI (GBR) is activated. Decrements when bearer having Non-Standard QCI (GBR) is released.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci1	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 1	Increments when bearer having QCI 1 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci2	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 2	Increments when bearer having QCI 2 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci3	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 3	Increments when bearer having QCI 3 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci4	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 4	Increments when bearer having QCI 4 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci5	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 5	Increments when bearer having QCI 5 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci6	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 6	Increments when bearer having QCI 6 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci7	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 7	Increments when bearer having QCI 7 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci8	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 8	Increments when bearer having QCI 8 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci9	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - QCI 9	Increments when bearer having QCI 9 is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci65	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 65	Increments when a subscriber establishes a bearer having QCI 65.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci66	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 66	Increments when a subscriber establishes a bearer having QCI 66.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci69	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 65	Increments when a subscriber establishes a bearer having QCI 69.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci70	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 70	Increments when a subscriber establishes a bearer having QCI 70.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qcinongbr	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - Non-Standard QCI (Non-GBR)	Increments when bearer having Non-Standard QCI (Non-GBR) is established.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qcigbr	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers setup - Non-Standard QCI (GBR)	Increments when bearer having Non-Standard QCI (GBR) is established.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci1	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 1	Increments when bearer having QCI 1 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci2	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 2	Increments when bearer having QCI 2 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci3	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 3	Increments when bearer having QCI 3 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci4	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 4	Increments when bearer having QCI 4 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci5	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 5	Increments when bearer having QCI 5 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci6	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 6	Increments when bearer having QCI 6 is released.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subqosstat-bearrel-qci7	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 7	Increments when bearer having QCI 7 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci8	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 8	Increments when bearer having QCI 8 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci9	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - QCI 9	Increments when bearer having QCI 9 is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci65	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 65	Increments when a subscriber releases a bearer having QCI 65.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci66	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 66	Increments when a subscriber releases a bearer having QCI 66.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci69	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 69	Increments when a subscriber releases a bearer having QCI 69.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci70	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 70	Increments when a subscriber releases a bearer having QCI 70.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qcinongbr	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - Non-Standard QCI (Non-GBR)	Increments when bearer having Non-Standard QCI (Non-GBR) is released.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qcigbr	INT32	Incremental	active	Subscriber QoS Statistics - Total bearers released - Non-Standard QCI (GBR)	Increments when bearer having Non-Standard QCI (GBR) is released	Per P-GW Service	Standard
pgw	subdatastat-totuppktfwd	INT32	Incremental	active	Subscriber Data Statistics - Total Uplink packets forwarded	Increments when uplink data packet is forwarded.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci1	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 1	Increments when uplink data packet is forwarded on bearer with QCI 1.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci2	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 2	Increments when uplink data packet is forwarded on bearer with QCI 2.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci3	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 3	Increments when uplink data packet is forwarded on bearer with QCI 3.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci4	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 4	Increments when uplink data packet is forwarded on bearer with QCI 4.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci5	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 5	Increments when uplink data packet is forwarded on bearer with QCI 5.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci6	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 6	Increments when uplink data packet is forwarded on bearer with QCI 6.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci7	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 7	Increments when uplink data packet is forwarded on bearer with QCI 7.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci8	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 8	Increments when uplink data packet is forwarded on bearer with QCI 8.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci9	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets forwarded - QCI 9	Increments when uplink data packet is forwarded on bearer with QCI 9.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-uppktfwd-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 65.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 66.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 69.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 70.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Standard QCI (Non-GBR)	Increments when uplink data packet is forwarded on bearer with Standard QCI (Non-GBR).	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Standard QCI (GBR)	Increments when uplink data packet is forwarded on bearer with Standard QCI (GBR).	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Non-Standard QCI (Non-GBR)	Increments when uplink data packet is forwarded on bearer with Non-Standard QCI (Non-GBR).	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Non-Standard QCI (GBR)	Increments when uplink data packet is forwarded on bearer with Non-Standard QCI (GBR).	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Total GBR	Increments when uplink data packet is forwarded on bearer with GBR QCI.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets forwarded - Total Non-GBR	Increments when uplink data packet is forwarded on bearer with Non-GBR QCI.	Per P-GW Service	Standard
pgw	subdatastat-totupbytefwd	INT64	Incremental	active	Subscriber Data Statistics - Total Uplink bytes forwarded.	Increments by the number of bytes sent on Gi interface (Uplink Data).	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci1	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 1	Increments by the number of uplink bytes sent on bearer with QCI 1.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci2	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 2	Increments by the number of uplink bytes sent on bearer with QCI 2.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci3	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 3	Increments by the number of uplink bytes sent on bearer with QCI 3.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci4	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 4	Increments by the number of uplink bytes sent on bearer with QCI 4.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-upbytefwd-qci5	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 5	Increments by the number of uplink bytes sent on bearer with QCI 5.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci6	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 6	Increments by the number of uplink bytes sent on bearer with QCI 6.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci7	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 7	Increments by the number of uplink bytes sent on bearer with QCI 7.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci8	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 8	Increments by the number of uplink bytes sent on bearer with QCI 8.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci9	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - QCI 9	Increments by the number of uplink bytes sent on bearer with QCI 9.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 65	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 65.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 66	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 66.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 69	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 69.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 70	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 70.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Standard QCI (Non-GBR)	Increments by the number of uplink bytes sent on bearer with Standard QCI (Non-GBR).	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Standard QCI (GBR)	Increments by the number of uplink bytes sent on bearer with Standard QCI (GBR).	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Non-Standard QCI (Non-GBR)	Increments by the number of uplink bytes sent on bearer with Non-Standard QCI (Non-GBR).	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Non-Standard QCI (GBR)	Increments by the number of uplink bytes sent on bearer with Non-Standard QCI (GBR).	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Total GBR	Increments by the number of uplink bytes sent on bearer with GBR QCI.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes forwarded - Total NON-GBR	Increments by the number of uplink bytes sent on bearer with Non-GBR QCI.	Per P-GW Service	Standard
pgw	subdatastat-totdownpktfwd	INT32	Incremental	active	Subscriber Data Statistics - Total Downlink packets forwarded	Increments when downlink data packet is forwarded.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downpktfwd-qci1	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 1	Increments when downlink data packet is forwarded on bearer with QCI 1.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci2	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 2	Increments when downlink data packet is forwarded on bearer with QCI 2.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci3	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 3	Increments when downlink data packet is forwarded on bearer with QCI 3.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci4	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 4	Increments when downlink data packet is forwarded on bearer with QCI 4.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci5	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 5	Increments when downlink data packet is forwarded on bearer with QCI 5.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci6	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 6	Incremented when a downlink data packet forwarded on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci7	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 7	Incremented when a downlink data packet forwarded on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci8	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 8	Incremented when a downlink data packet forwarded on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci9	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - QCI 9	Incremented when a downlink data packet forwarded on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Standard QCI (Non-GBR)	Incremented when a downlink data packet forwarded on standard QCI non GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Standard QCI (GBR)	Incremented when a downlink data packet forwarded on standard QCI GBR bearer	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downpktfwd-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Non-Standard QCI (Non-GBR)	Incremented when a downlink data packet forwarded on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Non-Standard QCI (GBR)	Incremented when a downlink data packet forwarded on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Total GBR	Incremented when a downlink packet forwarded on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets forwarded - Total Non-GBR	Incremented when a downlink packet forwarded on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totdownbytefwd	INT64	Incremental	active	Subscriber Data Statistics - Total Downlink bytes forwarded.	Incremented by the packet size when a downlink packet forwarded on Access Side interface	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci1	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 1	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci2	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 2	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci3	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 3	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci4	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 4	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci5	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 5	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci6	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 6	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci7	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 7	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci8	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 8	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci9	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - QCI 9	Incremented by the packet size when a downlink packet forwarded on bearer with QCI 9	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downbytefwd-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 65.	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 66	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 66.	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 69	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 69.	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 70	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 70.	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Standard QCI (Non-GBR)	Incremented by the packet size when a downlink packet forwarded on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Standard QCI (GBR)	Incremented by the packet size when a downlink packet forwarded on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Non-Standard QCI (Non-GBR)	Incremented by the packet size when a downlink packet forwarded on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Non-Standard QCI (GBR)	Incremented by the packet size when a downlink packet forwarded on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Total GBR	Incremented by the packet size when a downlink packet forwarded on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes forwarded - Total Non-GBR	Incremented by the packet size when a downlink packet forwarded on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totuppktdrop	INT32	Incremental	active	Subscriber Data Statistics - Total Uplink packets dropped	Incremented when an uplink data packet dropped at PGW	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci1	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 1	Incremented when an uplink data packet dropped on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci2	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 2	Incremented when an uplink data packet dropped on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci3	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 3	Incremented when an uplink data packet dropped on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci4	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 4	Incremented when an uplink data packet dropped on bearer with QCI 4	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-uppktdrop-qci5	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 5	Incremented when an uplink data packet dropped on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci6	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 6	Incremented when an uplink data packet dropped on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci7	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 7	Incremented when an uplink data packet dropped on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci8	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 8	Incremented when an uplink data packet dropped on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci9	INT32	Incremental	active	Subscriber Data Statistics -Uplink packets dropped - QCI 9	Incremented when an uplink data packet dropped on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65	Increments when an uplink data packet is dropped on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66	Increments when an uplink data packet is dropped on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69	Increments when an uplink data packet is dropped on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70	Increments when an uplink data packet is dropped on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Standard QCI (Non-GBR)	Incremented when an uplink data packet dropped on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Standard QCI (GBR)	Incremented when an uplink data packet dropped on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Non-Standard QCI (Non-GBR)	Incremented when an uplink data packet dropped on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Non-Standard QCI (GBR)	Incremented when an uplink data packet dropped on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Total GBR	Incremented when an uplink data packet dropped on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets dropped - Total Non-GBR	Incremented when an uplink data packet dropped on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totupbytedrop	INT64	Incremental	active	Subscriber Data Statistics - Total Uplink bytes dropped	Incremented by the packet size when an uplink packet dropped at PGW	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci1	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 1	Incremented by the packet size when an uplink packet dropped on bearer with QCI 1	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-upbytedrop-qci2	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 2	Incremented by the packet size when an uplink packet dropped on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci3	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 3	Incremented by the packet size when an uplink packet dropped on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci4	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 4	Incremented by the packet size when an uplink packet dropped on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci5	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 5	Incremented by the packet size when an uplink packet dropped on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci6	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 6	Incremented by the packet size when an uplink packet dropped on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci7	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 7	Incremented by the packet size when an uplink packet dropped on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci8	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 8	Incremented by the packet size when an uplink packet dropped on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci9	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - QCI 9	Incremented by the packet size when an uplink packet dropped on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Standard QCI (Non-GBR)	Incremented by the packet size when an uplink packet dropped on standard QCI non-GBR bearer	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-upbytedrop-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Standard QCI (GBR)	Incremented by the packet size when an uplink packet dropped on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Non-Standard QCI (Non-GBR)	Incremented by the packet size when an uplink packet dropped on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Non-Standard QCI (GBR)	Incremented by the packet size when an uplink packet dropped on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Total GBR	Incremented by the packet size when an uplink packet dropped on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes dropped - Total Non-GBR	Incremented by the packet size when an uplink packet dropped on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totdownpktdrop	INT32	Incremental	active	Subscriber Data Statistics - Total Downlink packets dropped	Incremented when a downlink data packet dropped at PGW	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci1	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 1	Incremented when a downlink data packet dropped on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci2	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 2	Incremented when a downlink data packet dropped on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci3	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 3	Incremented when a downlink data packet dropped on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci4	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 4	Incremented when a downlink data packet dropped on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci5	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 5	Incremented when a downlink data packet dropped on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci6	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 6	Incremented when a downlink data packet dropped on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci7	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 7	Incremented when a downlink data packet dropped on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci8	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 8	Incremented when a downlink data packet dropped on bearer with QCI 8	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downpktdrop-qci9	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - QCI 9	Incremented when a downlink data packet dropped on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65	Increments when a downlink data packet is dropped on bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66	Increments when a downlink data packet is dropped on bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69	Increments when a downlink data packet is dropped on bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70	Increments when a downlink data packet is dropped on bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Standard QCI (Non-GBR)	Incremented when a downlink data packet dropped on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Standard QCI (GBR)	Incremented when a downlink data packet dropped on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Non-Standard QCI (Non-GBR)	Incremented when a downlink data packet dropped on non-standard non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Non-Standard QCI (GBR)	Incremented when a downlink data packet dropped on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Total GBR	Incremented when a downlink data packet dropped on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets dropped - Total Non-GBR	Incremented when a downlink data packet dropped on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totdownbytedrop	INT64	Incremental	active	Subscriber Data Statistics - Total Downlink bytes dropped	Incremented by the packet size when a downlink packet dropped at PGW	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci1	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 1	Incremented by the packet size when a downlink packet dropped on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci2	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 2	Incremented by the packet size when a downlink packet dropped on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci3	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 3	Incremented by the packet size when a downlink packet dropped on bearer with QCI 3	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downbytedrop-qci4	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 4	Incremented by the packet size when a downlink packet dropped on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci5	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 5	Incremented by the packet size when a downlink packet dropped on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci6	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 6	Incremented by the packet size when a downlink packet dropped on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci7	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 7	Incremented by the packet size when a downlink packet dropped on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci8	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 8	Incremented by the packet size when a downlink packet dropped on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci9	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - QCI 9	Incremented by the packet size when a downlink packet dropped on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Standard QCI (Non-GBR)	Incremented by the packet size when a downlink packet dropped on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Standard QCI (GBR)	Incremented by the packet size when a downlink packet dropped on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Non-Standard QCI (Non-GBR)	Incremented by the packet size when a downlink packet dropped on non-standard QCI non-GBR bearer	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downbytedrop-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Non-Standard QCI (GBR)	Incremented by the packet size when a downlink packet dropped on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Total GBR	Incremented by the packet size when a downlink packet dropped on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes dropped - Total Non-GBR	Incremented by the packet size when a downlink packet dropped on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totuppktdropmbrexc	INT32	Incremental	active	Subscriber Data Statistics - Total Uplink packets Drop mbr exceed	Incremented when an uplink data packet dropped due to MBR exceed	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci1	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 1	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci2	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 2	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci3	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed- QCI 3	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci4	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 4	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci5	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed- QCI 5	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci6	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 6	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci7	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 7	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci8	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 8	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci9	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - QCI 9	Incremented when an uplink data packet dropped due to MBR exceed on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 65	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-uppktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Standard QCI (Non-GBR)	Incremented when an uplink data packet dropped due to MBR exceed on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Standard QCI (GBR)	Incremented when an uplink data packet dropped due to MBR exceed on standard QCI on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Non-Standard QCI (Non-GBR)	Incremented when an uplink data packet dropped due to MBR exceed on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Non-Standard QCI (GBR)	Incremented when an uplink data packet dropped due to MBR exceed on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Total GBR	Incremented when an uplink data packet dropped due to MBR exceed on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Uplink packets Drop mbr exceed - Total Non-GBR	Incremented when an uplink data packet dropped due to MBR exceed on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totupbytedropmbrexc	INT64	Incremental	active	Subscriber Data Statistics - Total Uplink bytes Drop mbr exceed	Incremented by the packet size when an uplink packet dropped at PGW due to MBR exceed	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci1	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - QCI 1	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci2	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - QCI 2	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 2	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-upbytedropmbrexc-qci3	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed-QCI 3	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci4	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed -QCI 4	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci5	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed-QCI 5	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci6	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed -QCI 6	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci7	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed -QCI 7	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci8	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed -QCI 8	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci9	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed -QCI 9	Incremented by the packet size when an uplink packet dropped due to MBR exceed on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 70	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-upbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Standard QCI (Non-GBR)	Incremented by the packet size when an uplink packet dropped due to MBR exceed on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Standard QCI (GBR)	Incremented by the packet size when an uplink packet dropped due to MBR exceed on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Non-Standard QCI (Non-GBR)	Incremented by the packet size when an uplink packet dropped due to MBR exceed on non-standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Non-Standard QCI (GBR)	Incremented by the packet size when an uplink packet dropped due to MBR exceed on non-standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Total GBR	Incremented by the packet size when an uplink packet dropped due to MBR exceed on GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Uplink bytes Drop mbr exceed - Total NON-GBR	Incremented by the packet size when an uplink packet dropped due to MBR exceed on non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totdownpktdropmbrexc	INT32	Incremental	active	Subscriber Data Statistics - Total Downlink packets Drop mbr exceed	Incremented when a downlink packet dropped due to MBR exceed	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci1	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 1	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci2	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 2	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci3	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed- QCI 3	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci4	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 4	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci5	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed- QCI 5	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci6	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 6	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 6	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downpktdropmbrexc-qci7	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 7	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci8	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 8	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci9	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - QCI 9	Incremented when a downlink packet dropped due to MBR exceed on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 66	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-stdqcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Standard QCI (Non-GBR)	Incremented when a downlink packet dropped due to MBR exceed on standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-stdqcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Standard QCI (GBR)	Incremented when a downlink packet dropped due to MBR exceed on standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qcinongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Non-Standard QCI (Non-GBR)	Incremented when a downlink packet is dropped due to mbr exceed on Non-Standard QCI non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qcigbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Non-Standard QCI (GBR)	Incremented when a downlink packet is dropped due to mbr exceed on Non-Standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-totgbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Total GBR	Incremented when a downlink packet is dropped due to mbr exceed on Standard and Non-Standard QCI GBR bearer	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downpktdropmbrexc-totnongbr	INT32	Incremental	active	Subscriber Data Statistics - Downlink packets Drop mbr exceed - Total NON-GBR	Incremented when a downlink packet is dropped due to mbr exceed on Standard and Non-Standard QCI Non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-totdownbytedropmbrexc	INT64	Incremental	active	Subscriber Data Statistics - Total Downlink bytes Drop mbr exceed	Incremented by byte value when a downlink packet is dropped due to mbr exceed	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci1	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 1	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 1	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci2	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 2	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 2	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci3	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed-QCI 3	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 3	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci4	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 4	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 4	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci5	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed-QCI 5	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 5	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci6	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 6	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 6	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci7	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 7	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 7	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci8	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 8	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 8	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci9	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - QCI 9	Incremented when downlink bytes are dropped due to mbr exceed on bearer with QCI 9	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 65	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 66	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 69	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 70	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Standard QCI (Non-GBR)	Incremented when downlink bytes are dropped due to mbr exceed on Standard QCI Non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-stdqcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Standard QCI (GBR)	Incremented when downlink bytes are dropped due to mbr exceed on Standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qcinongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Non-Standard QCI (Non-GBR)	Incremented when downlink bytes are dropped due to mbr exceed on Non Standard QCI Non-GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qcigbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Non-Standard QCI (GBR)	Incremented when downlink bytes are dropped due to mbr exceed on Standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-totgbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Total GBR	Incremented when downlink bytes are dropped due to mbr exceed on Standard and Non-Standard QCI GBR bearer	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-totnongbr	INT64	Incremental	active	Subscriber Data Statistics - Downlink bytes Drop mbr exceed - Total NON-GBR	Incremented when downlink bytes are dropped due to mbr exceed on Standard and Non-Standard QCI Non-GBR bearer	Per P-GW Service	Standard
pgw	apnambrratelimit-uppktdrop	INT32	Incremental	active	APN AMBR Rate Limiting Statistics - Uplink packets dropped	Incremented when uplink packet is dropped due to APN AMBR Rate Limit exceed	Per P-GW Service	Standard
pgw	apnambrratelimit-downpktdrop	INT32	Incremental	active	APN AMBR Rate Limiting Statistics - Downlink packets dropped	Incremented when downlink packet is dropped due to APN AMBR Rate Limit exceed	Per P-GW Service	Standard
pgw	apnambrratelimit-upbytedrop	INT64	Incremental	active	APN AMBR Rate Limiting Statistics - Uplink bytes dropped	Incremented when uplink bytes are dropped due to APN AMBR Rate Limit exceed	Per P-GW Service	Standard
pgw	apnambrratelimit-downbytedrop	INT64	Incremental	active	APN AMBR Rate Limiting Statistics - Downlink bytes dropped	Incremented when downlink bytes are dropped due to APN AMBR Rate Limit exceed	Per P-GW Service	Standard
pgw	ipv4-pdn-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN to user packets	Incremented when uplink packet is received on ipv4 pdn	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	ipv4-pdn-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN to user bytes	Incremented when uplink bytes are received on ipv4 pdn	Per P-GW Service	Standard
pgw	ipv4-pdn-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN from user packets	Incremented when downlink packet is sent from ipv4 pdn	Per P-GW Service	Standard
pgw	ipv4-pdn-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN from user bytes	Incremented when downlink bytes are sent from ipv4 pdn	Per P-GW Service	Standard
pgw	ipv6-pdn-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN to user pkts	Incremented when uplink packet is received on ipv6 pdn	Per P-GW Service	Standard
pgw	ipv6-pdn-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN to user bytes	Incremented when uplink bytes are received on ipv6 pdn	Per P-GW Service	Standard
pgw	ipv6-pdn-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN from user packets	Incremented when downlink packet is sent from ipv6 pdn	Per P-GW Service	Standard
pgw	ipv6-pdn-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN from user bytes	Incremented when downlink bytes are sent from ipv6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv4-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 to user packets	Incremented when uplink packet is received on ipv4 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv4-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 to user bytes	Incremented when uplink byte is received on ipv4 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv4-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 from user packets	Incremented when downlink packet is sent from ipv4 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv4-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 from user bytes	Incremented when downlink bytes are sent from ipv4 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	non-ip-pdn-to-user-pkt	INT64	Incremental	active	This statistics indicates the total number of downlink packets sent on non-IP P-GW PDNs	Increments when downlink packet is sent on non-IP PDN.	Per P-GW Service	Standard
pgw	non-ip-pdn-to-user-byte	INT64	Incremental	active	This statistics indicates the total number of downlink bytes sent on non-IP P-GW PDNs.	Increments when downlink bytes are sent on non-IP PDN	Per P-GW Service	Standard
pgw	non-ip-pdn-from-user-pkt	INT64	Incremental	active	This statistics indicates the total number of uplink packets received for non-IP P-GW PDNs.	Increments when uplink packet is received for non-IP PDN	Per P-GW Service	Standard
pgw	non-ip-pdn-from-user-byte	INT64	Incremental	active	This statistics indicates the total number of uplink bytes received for non-IP P-GW PDNs.	Increments when uplink bytes are received for non-IP PDN.	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv6-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 to user packets	Incremented when uplink packet is received on ipv6 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv6-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 to user bytes	Incremented when uplink byte is received on ipv6 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv6-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 from user packets	Incremented when downlink packet is sent from ipv6 tunnel of ipv4v6 pdn	Per P-GW Service	Standard
pgw	ipv4v6-pdn-ipv6-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 from user bytes	Incremented when downlink bytes are sent from ipv6 tunnel of ipv4v6 pdn	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	handoverstat-s2bgtptolteatt	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to LTE attempted handovers	Incremented when GTP S2b to LTE Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptoltesucc	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to LTE successful handovers	Incremented when GTP S2b to LTE Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptoltefail	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to LTE failed handovers	Incremented when GTP S2b to LTE Handover is failed	Per P-GW Service	Standard
pgw	handoverstat-ltetos2bgtpatt	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2b attempted handovers	Incremented when LTE to GTP S2b Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-ltetos2bgtpsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2b successful handovers	Incremented when LTE to GTP S2b Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-ltetos2bgtpfail	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2b failed handovers	Incremented when LTE to GTP S2b Handover is failed	Per P-GW Service	Standard
pgw	handoverstat-s2agtptolteatt	INT32	Incremental	active	Handover Statistics - Number of GTP S2a to LTE attempted handovers	Incremented when GTP S2a to LTE Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-s2agtptoltesucc	INT32	Incremental	active	Handover Statistics - Number of GTP S2a to LTE successful handovers	Incremented when GTP S2a to LTE Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-s2agtptoltefail	INT32	Incremental	active	Handover Statistics - Number of GTP S2a to LTE failed handovers	Incremented when GTP S2a to LTE Handover fails	Per P-GW Service	Standard
pgw	handoverstat-ltetos2agtpatt	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2a attempted handovers	Incremented when LTE to GTP S2a Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-ltetos2agtpsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2a successful handovers	Incremented when LTE to GTP S2a Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-ltetos2agtpfail	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2a failed handovers	Incremented when LTE to GTP S2a Handover failed	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2agtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp attempted	On attempted handoff from s4sgsn to s2agtp	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2agtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp successful	On successful handoff from s4sgsn to s2agtp	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2agtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp failed	On unsuccessful handoff from s4sgsn to s2agtp	Per P-GW Service	Standard
pgw	handoverstat-s2agtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn attempted	On attempted handoff from s2agtp to s4sgsn	Per P-GW Service	Standard
pgw	handoverstat-s2agtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn successful	On successful handoff from s2agtp to s4sgsn	Per P-GW Service	Standard
pgw	handoverstat-s2agtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn failed	On unsuccessful handoff from s2agtp to s4sgsn	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2bgtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp attempted	On attempted handoff from s4sgsn to s2bgtp	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2bgtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp successful	On successful handoff from s4sgsn to s2bgtp	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntos2bgtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp failed	On unsuccessful handoff from s4sgsn to s2bgtp	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn attempted	On attempted handoff from s2bgtp to s4sgsn	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn successful	On successful handoff from s2bgtp to s4sgsn	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	handoverstat-s2bgtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn failed	On unsuccessful handoff from s2bgtp to s4sgsn	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptoehrpdatt	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to eHRPD attempted handovers	Incremented when GTP S2b to eHRPD Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptoehrpdsucc	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to eHRPD successful handovers	Incremented when GTP S2b to eHRPD Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-s2bgtptoehrpdfail	INT32	Incremental	active	Handover Statistics - Number of GTP S2b to eHRPD failed handovers	Incremented when GTP S2b to eHRPD Handover failed	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtos2bgtpatt	INT32	Incremental	active	Handover Statistics - Number of eHRPD to GTP S2b attempted handovers	Incremented when eHRPD to GTP S2b Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtos2bgtpsucc	INT32	Incremental	active	Handover Statistics - Number of eHRPD to GTP S2b successful handovers	Incremented when eHRPD to GTP S2b Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtos2bgtpfail	INT32	Incremental	active	Handover Statistics - Number of eHRPD to GTP S2b failed handovers	Incremented when eHRPD to GTP S2b Handover is failed	Per P-GW Service	Standard
pgw	sessstat-ovrchrgprtctn-pdns-ovrchrg-paused	INT32	Gauge	active	Total number of PDN's in Overcharge-Protection Paused state.	Incremented when PDN moved to Overcharging paused state	Per P-GW Service	Standard
pgw	sessstat-ovrchrgprtctn-uplkpktdrop	INT32	Incremental	active	Total number of Uplink Packets dropped in Overcharge-Protection state	Incremented when uplink packet is dropped in Overcharge-Protection state	Per P-GW Service	Standard
pgw	sessstat-ovrchrgprtctn-uplkbytedrop	INT64	Incremental	active	Total number of Uplink bytes dropped in Overcharge-Protection state	Incremented when uplink byte is dropped in Overcharge-Protection state	Per P-GW Service	Standard
pgw	sessstat-ovrchrgprtctn-dnlkpktdrop	INT32	Incremental	active	Total number of Downlink Packets dropped in Overcharge-Protection state	Incremented when downlink packet is dropped in Overcharge-Protection state	Per P-GW Service	Standard
pgw	sessstat-ovrchrgprtctn-dnlkbytedrop	INT64	Incremental	active	Total number of Downlink bytes dropped in Overcharge-Protection state	Incremented when downlink byte is dropped in Overcharge-Protection state	Per P-GW Service	Standard
pgw	sessstat-invalid-port-dnlkpktdrop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid destination port for a non-IP P-GW PDN.	Increments when downlink packet is dropped due invalid dest port for a non-IP PDN	Per P-GW Service	Standard
pgw	sessstat-invalid-port-dnlkbytedrop	INT64	Incremental	active	This statistics indicates the total number of downlink bytes dropped due to invalid destination port for a non-IP P-GW PDN.	Increments when downlink byte is dropped due to invalid dest port for a non-IP PDN	Per P-GW Service	Standard
pgw	sessstat-invalid-tun-proto-dnlkpktdrop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid SGi tunnel protocol for a non-IP P-GW PDN.	Increments when downlink packet is dropped due invalid SGi tunnel protocol for a non-IP PDN	Per P-GW Service	Standard
pgw	sessstat-invalid-tun-proto-dnlkbytedrop	INT64	Incremental	active	This statistics indicates the total number of downlink bytes dropped due to invalid SGi tunnel protocol for a non-IP P-GW PDN.	Increments when downlink byte is dropped due to invalid SGi tunnel protocol for a non-IP PDN	Per P-GW Service	Standard
pgw	sessstat-invalid-as-src-dnlkpktdrop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid application server source address for a non-IP P-GW PDN.	Increments when downlink packet is dropped due invalid application server source address for a non-IP PDN	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-invalid-as-src-dnlkbytedrop	INT64	Incremental	active	This statistics indicates the total number of downlink bytes dropped due to invalid application server source address for a non-IP P-GW PDN.	Increments when downlink byte is dropped due to invalid application server source address for a non-IP PDN	Per P-GW Service	Standard
pgw	sessstat-pcscf-recovery-count	INT32	Incremental	active	Tracks the number of occurrences of P-CSCF Restoration Required Indications received from the MME/S-GW through a modify bearer request.	Incremented when P-CSCF Restoration Required Indications received from the MME/S-GW through a modify bearer request	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-inrstrstate	INT32	Incremental	active	Total number of PDN sessions are in SGW Restoration state	Incremented when PDN session moved to SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-recovered	INT32	Incremental	active	Total number of PDN sessions are recovered from SGW Restoration state	Incremented when PDN session recovered from SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-released	INT32	Incremental	active	Total number of PDN sessions got released from SGW Restoration state	Incremented when PDN session got released from SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-uplkpktdrop	INT32	Incremental	active	Total number of Uplink Packets dropped in SGW Restoration state	Incremented when uplink packet is dropped in SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-uplkbytedrop	INT64	Incremental	active	Total number of Uplink bytes dropped in SGW Restoration state	Incremented when uplink byte is dropped in SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-dnlkpktdrop	INT32	Incremental	active	Total number of Downlink Packets dropped in SGW Restoration state	Incremented when downlink packet is dropped in SGW Restoration state	Per P-GW Service	Standard
pgw	sessstat-sgwrstr-dnlkbytedrop	INT64	Incremental	active	Total number of Downlink bytes dropped in SGW Restoration state	Incremented when downlink byte is dropped in SGW Restoration state	Per P-GW Service	Standard
pgw	handoverstat-ltetoS2bPMIPatt	INT32	Incremental	active	Handover Statistics - Number of LTE to S2bPMIP attempted handovers	Incremented when LTE to S2bPMIP Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-ltetoS2bPMIPsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to S2bPMIP successful handovers	Incremented when LTE to S2bPMIP Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-ltetoS2bPMIPfail	INT32	Incremental	active	Handover Statistics - Number of LTE to S2bPMIP failed handovers	Incremented when LTE to S2bPMIP Handover fails	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtolteatt	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to LTE attempted handovers	Incremented when S2bPMIP to LTE Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtoltesucc	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to LTE successful handovers	Incremented when S2bPMIP to LTE Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtoltefail	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to LTE failed handovers	Incremented when S2bPMIP to LTE Handover is failed	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtoehrpdatt	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to eHRPD attempted handovers	Increments when S2bPMIP to eHRPD Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtoehrpdsucc	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to eHRPD successful handovers	Incremented when S2bPMIP to eHRPD Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-S2bPMIPtoehrpdfail	INT32	Incremental	active	Handover Statistics - Number of S2bPMIP to eHRPD failed handovers	Incremented when S2bPMIP to eHRPD Handover is failed	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	handoverstat-ehrpdtoS2bPMIPatt	INT32	Incremental	active	Handover Statistics - Number of eHRPD to S2bPMIP attempted handovers	Incremented when eHRPD to S2bPMIP Handover is attempted	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtoS2bPMIPsucc	INT32	Incremental	active	Handover Statistics - Number of eHRPD to S2bPMIP successful handovers	Incremented when eHRPD to S2bPMIP Handover is successful	Per P-GW Service	Standard
pgw	handoverstat-ehrpdtoS2bPMIPfail	INT32	Incremental	active	Handover Statistics - Number of eHRPD to S2bPMIP failed handovers	Incremented when eHRPD to S2bPMIP Handover is failed	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-s6brad-ip	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - s6b or radius ip validation failed	Increments when bearer is rejected due to s6b or radius ip validation failure	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-ims-auth-failed	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - IMS - Auth-Failed	Increments when bearer is rejected due to IMS Authentication failure	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-chrgsvc-auth-failed	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - Charging service - Auth-Failed	Increments when bearer is rejected due to Charging service Authentication failure	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-dhcp-ip-failed	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - DHCP - IP-Alloc -Failed	Increments when bearer is rejected due to DHCP IP Allocation failure	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-setup-timeout	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - Setup- Timeout	Increments when bearer is rejected due to Setup Timer timeout	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-aaa-auth-exceed	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - AAA - Auth-Exceeded	Increments when bearer is rejected due to AAA Authetication exceed	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-no-sess-aaa	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - No sessions - AAA	Increments when bearer is rejected due to no sessions at AAA	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-conflict-ip-addr	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - Conflict - IP address	Increments when bearer is rejected due to conflict in IP address	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-static-ip	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - Static - IP - Not - Present	Increments when bearer is rejected due to invalid Static IP	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-msreq-invalid-ip	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - MS Request - Invalid-IP	Increments when bearer is rejected due to invalid IP in MS Request	Per P-GW Service	Standard
pgw	sessstat-bearrej-nores-other-reason	INT32	Incremental	active	Session Statistics - Total bearers rejected - No Resource - Other Reason	Increments when bearer is rejected due to any reason other than s6b or radius ip validation failure, IMS authentication failure, Charging service authentication failure, DHCP IP aloocation failure, Setup timer timeout, AAA Authentication exceed, No sessions at AAA, Confliction IP Address, Invalid static IP or invalid IP in MS request	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	servstat-upPrioritymark-p0	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 0	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 0 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p1	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 1	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 1 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p2	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 2	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 2 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p3	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 3	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 3 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p4	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 4	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 4 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p5	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 5	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 5 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-upPrioritymark-p6	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 6	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 6 for the uplink flow of packet	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	servstat-upPrioritymark-p7	INT64	Incremental	active	Server Statistics - Uplink Priority Mark - Priority 7	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 7 for the uplink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p0	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 0	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 0 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p1	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 1	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 1 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p2	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 2	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 2 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p3	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 3	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 3 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p4	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 4	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 4 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p5	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 5	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 5 for the downlink flow of packet	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	servstat-downPrioritymark-p6	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 6	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 6 for the downlink flow of packet	Per P-GW Service	Standard
pgw	servstat-downPrioritymark-p7	INT64	Incremental	active	Server Statistics - Downlink Priority Mark - Priority 7	Incrementes when the internal priority derived from the qci-qos table entry mapping to that particular session matches with the priority 7 for the downlink flow of packet	Per P-GW Service	Standard
pgw	handoverstat-gngptos4sgsnatt	INT32	Incremental	active	Handover Statistics - Total number of Gn/Gp to S4 SGSN attempted handovers	Increments when GNGP to S4SGSN handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-gngptos4sgsnsucc	INT32	Incremental	active	Handover Statistics - Total number successful Gn/Gp to S4 SGSN handovers	Increments when GNGP to S4SGSN handover succeeds.	Per P-GW Service	Standard
pgw	handoverstat-gngptos4sgsnfail	INT32	Incremental	active	Handover Statistics - Total number of failed Gn/GP to S4 SGSN handovers	Increments when GNGP to S4SGSN handover fails.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntogngpatt	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to Gn/Gp handovers attempted	Increments when S4SGSN to GNGP handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntogngpsucc	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to Gn/Gp successful handovers	Increments when S4SGSN to GNGP handover succeeds.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntogngpfail	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to Gn/Gp failed handovers	Increments when S4SGSN to GNGP handover fails.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntolteatt	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to LTE handovers attempted	Increments when S4SGSN to LTE handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntoltesucc	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to LTE successful handovers	Increments when S4SGSN to LTE handover succeeds.	Per P-GW Service	Standard
pgw	handoverstat-s4sgsntoltefail	INT32	Incremental	active	Handover Statistics - Number of S4 SGSN to LTE failed handovers	Increments when S4SGSN to LTE handover fails.	Per P-GW Service	Standard
pgw	handoverstat-ltetos4sgsnatt	INT32	Incremental	active	Handover Statistics - Number of LTE to S4 SGSN handover attempts	Increments when LTE to S4SGSN handover is attempted.	Per P-GW Service	Standard
pgw	handoverstat-ltetos4sgsnsucc	INT32	Incremental	active	Handover Statistics - Number of LTE to S4 SGSN successful handovers	Increments when LTE to S4SGSN handover succeeds.	Per P-GW Service	Standard
pgw	handoverstat-ltetos4sgsnfail	INT32	Incremental	active	Handover Statistics - Number of LTE to S4 SGSN failed handovers	Increments when LTE to S4SGSN handover fails.	Per P-GW Service	Standard
pgw	setup-guard-timer-expired	INT32	Incremental	active	The number of times the PGW configurable setup guard timer has expired	Increments when PGW configurable setup guard timer expires	Per P-GW Service	Standard
pgw	subdatastat-totulpktfwd-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S5 Interface	Standard
pgw	subdatastat-totdlpktfwd-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S5 Interface	Standard
pgw	subdatastat-totulbytefwd-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S5 Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-totdlbytefwd-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S5 Interface	Standard
pgw	subdatastat-totulpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S5 Interface	Standard
pgw	subdatastat-totdlpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S5 Interface	Standard
pgw	subdatastat-totulbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S5 Interface	Standard
pgw	subdatastat-totdlbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S5 Interface	Standard
pgw	apnambrratelimit-uppktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when uplink packet is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
pgw	apnambrratelimit-downpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when downlink packet is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
pgw	apnambrratelimit-upbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when uplink bytes in a packet is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
pgw	apnambrratelimit-downbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when downlink bytes in a packet is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
pgw	subdatastat-totulpktfwd-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S8 Interface	Standard
pgw	subdatastat-totdlpktfwd-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S8 Interface	Standard
pgw	subdatastat-totulbytefwd-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S8 Interface	Standard
pgw	subdatastat-totdlbytefwd-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S8 Interface	Standard
pgw	subdatastat-totulpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S8 Interface	Standard
pgw	subdatastat-totdlpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S8 Interface	Standard
pgw	subdatastat-totulbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S8 Interface	Standard
pgw	subdatastat-totdlbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S8 Interface	Standard
pgw	apnambrratelimit-uppktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard
pgw	apnambrratelimit-downpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard
pgw	apnambrratelimit-upbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	apnambrratelimit-downbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APNAMBR rate-limit	S8 Interface	Standard
pgw	subdatastat-totulpktfwd-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when received is sent by PGW	S2A Interface	Standard
pgw	subdatastat-totdlpktfwd-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S2A Interface	Standard
pgw	subdatastat-totulbytefwd-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S2A Interface	Standard
pgw	subdatastat-totdlbytefwd-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S2A Interface	Standard
pgw	subdatastat-totulpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S2A Interface	Standard
pgw	subdatastat-totdlpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S2A Interface	Standard
pgw	subdatastat-totulbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S2A Interface	Standard
pgw	subdatastat-totdlbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S2A Interface	Standard
pgw	apnambrratelimit-uppktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
pgw	apnambrratelimit-downpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APNAMBR rate-limit	S2A Interface	Standard
pgw	apnambrratelimit-upbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
pgw	apnambrratelimit-downbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
pgw	subdatastat-totulpktfwd-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S2B Interface	Standard
pgw	subdatastat-totdlpktfwd-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S2B Interface	Standard
pgw	subdatastat-totulbytefwd-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S2B Interface	Standard
pgw	subdatastat-totdlbytefwd-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S2B Interface	Standard
pgw	subdatastat-totulpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S2B Interface	Standard
pgw	subdatastat-totdlpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S2B Interface	Standard
pgw	subdatastat-totulbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S2B Interface	Standard
pgw	subdatastat-totdlbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S2B Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	apnambrratelimit-uppktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
pgw	apnambrratelimit-downpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
pgw	apnambrratelimit-upbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
pgw	apnambrratelimit-downbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
pgw	transrate-sessevt-cumlt	INT64	Incremental	active	Cumulative Session Events: Pegged on receiving new PDN session creation or deletion request	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-cumlt	INT64	Incremental	active	Cumulative Successful Session Events: Pegged on sending successful new PDN session creation or deletion response	On sending successful PDN session creation or deletion repose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful Session Events: Pegged on sending unsuccessful new PDN session creation or deletion response	On sending unsuccessful PDN session creation or deletion repose	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative N/w Initiated Setup/Teardown Events: Pegged on sending bearer creation or deletion request	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Successful N/w Initiated Setup/Teardown Events: Pegged on receiving successful bearer creation or deletion response	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful N/w Initiated Setup/Teardown Events: Pegged on receiving unsuccessful bearer creation or deletion response	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt1	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt2	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt3	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt4	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt5	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt6	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt7	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard
pgw	transrate-sessevt-bkt8	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	transrate-succ-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-succ-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-unsucc-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	transrate-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-succ-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	transrate-unsucc-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per P-GW Service	Standard
pgw	epdg-sel-ipv4-pco-req-rcvd	INT32	Incremental	active	The total number of DNS requests made to a P-GW in a PCO IE for IPv4 ePDG addresses.	Increments when a P-GW receives a request from a UE for IPv4 ePDG addresses in a PCO IE.	Per PGW	Proprietary
pgw	epdg-sel-ipv4-pco-rsp-sent	INT32	Incremental	active	The total number of successful DNS responses sent by the P-GW in a PCO IE populated with IPv4 ePDG addresses.	Increments when a P-GW sends a response consisting of IPv4 ePDG addresses in a PCO IE.	Per PGW	Proprietary
pgw	epdg-sel-ipv4-pco-rsp-fail-conf-absent	INT32	Incremental	active	The total number of unsuccessful responses for IPv4 ePDG addresses due to a missing FQDN configuration.	Increments when a P-GW fails torespond with IPv4 ePDG addresses in a PCO IE due to a missing FQDN configuration.	Per PGW	Proprietary
pgw	epdg-sel-ipv4-pco-rsp-fail-dns-query-failed	INT32	Incremental	active	The total number of DNS queries for IPv4 ePDG addresses that failed or expired.	Increments when a P-GW fails to respond with IPv4 ePDG addresses in a PCO IE due to failed or expired DNS queries.	Per PGW	Proprietary
pgw	epdg-sel-ipv6-pco-req-rcvd	INT32	Incremental	active	The total number of DNS requests made to a P-GW in a PCO IE for IPv4 ePDG addresses.	Increments when a P-GW receives a request from a UE for IPv6 ePDG addresses in a PCO IE.	Per PGW	Proprietary
pgw	epdg-sel-ipv6-pco-rsp-sent	INT32	Incremental	active	The total number of successful DNS responses sent by the P-GW in a PCO IE populated with IPv6 ePDG addresses.	Increments when a P-GW sends a response consisting of IPv6 ePDG addresses in a PCO IE.	Per PGW	Proprietary
pgw	epdg-sel-ipv6-pco-rsp-fail-conf-absent	INT32	Incremental	active	The total number of unsuccessful responses for IPv6 ePDG addresses due to a missing FQDN configuration.	Increments when a P-GW fails to respond with IPv6 ePDG addresses in a PCO IE due to a missing FQDN configuration.	Per PGW	Proprietary
pgw	epdg-sel-ipv6-pco-rsp-fail-dns-query-failed	INT32	Incremental	active	The total number of DNS queries for IPv6 ePDG addresses that failed or expired.	Increments when a P-GW fails to respond with IPv6 ePDG addresses in a PCO IE due to failed or expired DNS queries.	Per PGW	Proprietary
pgw	sessstat-s6b-pcscf-recovery-count	INT32	Incremental	active	The total number of P-CSCF Restoration Required Indications received from the s6b AAA server through a RAR for a WLAN.	Increments when an s6b RAR is received with P-CSCF Restoration Indication.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-pcrf-pcscf-recovery-count	INT32	Incremental	active	The total number of P-CSCF Restoration Required Indications received from the PCRF through RAR.	Increments when a RAR is received from the PCRF for a P-CSCF Restoration Indication.	Per P-GW Service	Standard
pgw	sessstat-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from the MME/S-GW.	Increments when basic P-CSCF Restoration is performed for restoration indication received from the MME/S-GW.	Per P-GW Service	Standard
pgw	sessstat-s6b-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from an s6b AAA server through a RAR for a WLAN.	Increments when basic P-CSCF Restoration is performed for an s6b RAR with a P-CSCF restoration indication.	Per P-GW Service	Standard
pgw	sessstat-pcrf-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from PCRF through a RAR.	Increments when a basic P-CSCF Restoration is performed for a P-CSCF Restoration Indication RAR received from a PCRF.	Per P-GW Service	Standard
pgw	sessstat-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from the MME/S-GW.	Increments when a P-CSCF Restoration extension is performed for a restoration indication received from the MME/S-GW.	Per P-GW Service	Standard
pgw	sessstat-s6b-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from an s6b AAA server through a RAR for a WLAN.	Increments when a P-CSCF Restoration extension is performed for an s6b RAR with a P-CSCF restoration indication.	Per P-GW Service	Standard
pgw	sessstat-pcrf-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from a PCRF through a RAR.	Increments when a P-CSCF Restoration extension is performed for a P-CSCF Restoration Indication RAR received from a PCRF.	Per P-GW Service	Standard
pgw	sessstat-nonstdqci-nongbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW/GGSN non-GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW/GGSN non-GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per P-GW Service	Standard
pgw	sessstat-nonstdqci-gbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW/GGSN GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW/GGSN GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per P-GW Service	Standard
pgw	sessstat-stdqci-nongbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW/GGSN non-GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW/GGSN non-GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	sessstat-stdqci-gbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW/GGSN GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW/GGSN GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per P-GW Service	Standard
pgw	ue-in-psm	INT32	Gauge	active	Number of UEs currently in eDRx mode	Increments when a P-GW call goes to eDRx mode and decrements when it moves out of eDRx	Per P-GW Service	Standard
pgw	sessstat-rej-pdn-backofftimer	INT32	Incremental	active	Number of LAPI (Low Access Priority Indicator) PDN sessions that are rejected due to overload (e.g. M2M sessions).	Incremented when Create Session Request is received with Signal Priority IE or PDN is configured as LAPI (Low Access Priority Indicator) and system is in overload state and Backoff timer is configured for the APN(s).	Per PGW Service	Standard
pgw	handoverstat-ltetos2bgtpsucc-timerexpiry	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2b successful handovers on Timer Expiry	Incremented when LTE to GTP S2b Handover is successful upon Timer Expiry	Per P-GW Service	Standard
pgw	handoverstat-ltetos2bgtpsucc-uplnkdata	INT32	Incremental	active	Handover Statistics - Number of LTE to GTP S2b successful handovers on Uplink Data on S2b tunnel	Incremented when LTE to GTP S2b Handover is successful upon Uplink Data on S2b tunnel	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci80	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 80	Increments when a subscriber activates a bearer having QCI 80. Decrements when a subscriber releases bearer having QCI 80.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci82	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 82	Increments when a subscriber activates a bearer having QCI 82. Decrements when a subscriber releases bearer having QCI 82.	Per P-GW Service	Standard
pgw	subqosstat-bearact-qci83	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 83	Increments when a subscriber activates a bearer having QCI 83. Decrements when a subscriber releases bearer having QCI 83.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci80	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 80	Increments when a subscriber establishes a bearer having QCI 80.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci82	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 82	Increments when a subscriber establishes a bearer having QCI 82.	Per P-GW Service	Standard
pgw	subqosstat-bearsetup-qci83	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 83	Increments when a subscriber establishes a bearer having QCI 83.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subqosstat-bearrel-qci80	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 80	Increments when a subscriber releases a bearer having QCI 80.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci82	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 82	Increments when a subscriber releases a bearer having QCI 82.	Per P-GW Service	Standard
pgw	subqosstat-bearrel-qci83	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 83	Increments when a subscriber releases a bearer having QCI 83.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 80.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 82.	Per P-GW Service	Standard
pgw	subdatastat-uppktfwd-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83	Increments when a subscriber uplink data packet is forwarded on a bearer with QCI 83.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 80	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 80.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 82	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 82.	Per P-GW Service	Standard
pgw	subdatastat-upbytefwd-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 83	Increments by the number of subscriber uplink data bytes sent on a bearer with QCI 83.	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-downpktfwd-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83	Increments when a subscriber downlink data packet is forwarded on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 80	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 80.	Per P-GW Service	Standard
pgw	subdatastat-downbytefwd-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 82	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 82.	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-downbytefwd-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 83	Increments by the number of subscriber downlink data bytes sent on a bearer with QCI 83.	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80	Increments when an uplink data packet is dropped on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82	Increments when an uplink data packet is dropped on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-uppktdrop-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83	Increments when an uplink data packet is dropped on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-upbytedrop-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83	Increments by the packet size when an uplink packet is dropped on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80	Increments when a downlink data packet is dropped on bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82	Increments when a downlink data packet is dropped on bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-downpktdrop-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83	Increments when a downlink data packet is dropped on bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-downbytedrop-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83	Increments by the packet size when a downlink packet is dropped on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-uppktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 82	Per P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw	subdatastat-uppktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded	Increments when an uplink data packet is dropped due to MBR exceed on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-upbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 due to MBR exceeded	Increments by the packet size when an uplink packet is dropped due to MBR exceed on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-downpktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded	Increments when a downlink packet is dropped due to MBR exceed on a bearer with QCI 83	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 80	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 82	Per P-GW Service	Standard
pgw	subdatastat-downbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83 due to MBR exceeded	Increments when downlink bytes are dropped due to mbr exceed on a bearer with QCI 83	Per P-GW Service	Standard
pgw	external-id-active-sessions	INT32	Gauge	active	Number of active sessions with external-id from s6b	Increments when an external-id is received from s6b and the session is successful.	Per P-GW Service	Standard
pgw	external-id-total-sessions	INT64	Incremental	active	Number of total sessions with external-id from s6b	Increments when an external-id is received from s6b and the session is successful.	Per P-GW Service	Standard
saegw	saegw-vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the SAEGW service.	Configuration	Per Context	Standard
saegw	saegw-vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SAEGW service. This is an internal reference number.	Generated During System Startup	Per Context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-servname	STRING	Primary-key	active	Displays the name of the SAEGW service for which the statistics are displayed.	Configuration	Per SAEGW Service	Standard
saegw	saegw-servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the SAEGW service. This is an internal reference number.	Generated During System Startup	Per SAEGW Service	Standard
saegw	saegw-sub-active	INT32	Gauge	active	The total number of currently active collocated and anchored subscribers. CSCue32583	Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-total-active	INT32	Gauge	active	SAEGW: Total Active PDNs	Call Establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-total-setup	INT32	Incremental	active	SAEGW: Total Setup PDNs	Call Establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-total-released	INT32	Incremental	active	SAEGW: Total Released PDNs	Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-sgw-anchored	INT32	Gauge	active	SAEGW: Active S-GW Anchored PDNs	Pure S Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-pgw-anchored	INT32	Gauge	active	SAEGW: Active P-GW Anchored PDNs	Pure P Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-collocated	INT32	Gauge	active	SAEGW: Active Collocated PDNs	Collapsed Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4-active	INT32	Gauge	active	SAEGW: Active IPv4 PDNs	IPv4 Call establishment, Call release	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4-setup	INT32	Incremental	active	SAEGW: Setup IPv4 PDNs	IPv4 Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4-released	INT32	Incremental	active	SAEGW: Released IPv4 PDNs	IPv4 Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv6-active	INT32	Gauge	active	SAEGW: Active IPv6 PDNs	IPv6 Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv6-setup	INT32	Incremental	active	SAEGW: Setup IPv6 PDNs	IPv6 Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv6-released	INT32	Incremental	active	SAEGW: Released IPv6 PDNs	IPv6 Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4v6-active	INT32	Gauge	active	SAEGW: Active IPv4v6 PDNs	IPv4v6 Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4v6-setup	INT32	Incremental	active	SAEGW: Setup IPv4v6 PDNs	IPv4v6 Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-ipv4v6-released	INT32	Incremental	active	SAEGW: Released IPv4v6 PDNs	IPv4v6 Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-home-active	INT32	Gauge	active	SAEGW: Active Home PDNs	Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-home-setup	INT32	Incremental	active	SAEGW: Setup Home PDNs	Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-home-released	INT32	Incremental	active	SAEGW: Released Home PDNs	Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-roaming-active	INT32	Gauge	active	SAEGW: Active Roaming PDNs	Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-roaming-setup	INT32	Incremental	active	SAEGW: Setup Roaming PDNs	Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-roaming-released	INT32	Incremental	active	SAEGW: Released Roaming PDNs	Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-visiting-active	INT32	Gauge	active	SAEGW: Active Visiting PDNs	Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-visiting-setup	INT32	Incremental	active	SAEGW: Setup Visiting PDNs	Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-visiting-released	INT32	Incremental	active	SAEGW: Released Visiting PDNs	Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-emergency-active	INT32	Gauge	active	SAEGW: Active Emergency PDNs	Emergency Call establishment, Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-emergency-setup	INT32	Incremental	active	SAEGW: Setup Emergency PDNs	Emergency Call establishment	Per SAEGW Service	Standard
saegw	saegw-pdns-emergency-released	INT32	Incremental	active	SAEGW: Released Emergency PDNs	Emergency Call release.	Per SAEGW Service	Standard
saegw	saegw-pdns-non-emergency-active	INT32	Gauge	active	SAEGW: Active Non-Emergency PDNs	Call establishment, Call release	Per SAEGW Service	Standard
saegw	saegw-pdns-non-emergency-setup	INT32	Incremental	active	SAEGW: Setup Non-Emergency PDNs	Call establishment.	Per SAEGW Service	Standard
saegw	saegw-pdns-non-emergency-released	INT32	Incremental	active	SAEGW: Released Non-Emergency PDNs	Call release.	Per SAEGW Service	Standard
saegw	saegw-bearers-total-active	INT32	Gauge	active	SAEGW: Total Active Bearers	Bearer establishment, Bearer release.	Per SAEGW Service	Standard
saegw	saegw-bearers-total-setup	INT32	Incremental	active	SAEGW: Total Setup Bearers	Bearer establishment.	Per SAEGW Service	Standard
saegw	saegw-bearers-total-released	INT32	Incremental	active	SAEGW: Total Released Bearers	Bearer release.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-bearers-sgw-anchored	INT32	Gauge	active	SAEGW: Active S-GW Anchored Bearers	Pure S Bearer establishment, Bearer release.	Per SAEGW Service	Standard
saegw	saegw-bearers-pgw-anchored	INT32	Gauge	active	SAEGW: Active P-GW Anchored Bearers	Pure P Bearer establishment, Bearer release.	Per SAEGW Service	Standard
saegw	saegw-bearers-collocated	INT32	Gauge	active	SAEGW: Active Collocated Bearers	Collapsed Bearer establishment, bearer release.	Per SAEGW Service	Standard
saegw	saegw-setup-ded-bearers-sgw-anchored	INT32	Incremental	active	Total setup S-GW-anchored dedicated bearers	Increments when an establish S-GW-anchored dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-setup-ded-bearers-pgw-anchored	INT32	Incremental	active	Total setup P-GW-anchored dedicated bearers setup	Increments when an establish P-GW-anchored dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-setup-ded-bearers-collocated	INT32	Incremental	active	Total setup collocated dedicated bearers	Increments when an establish collocated dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-active-ded-bearers-sgw-anchored	INT32	Gauge	active	Total active S-GW-anchored dedicated bearers	Increments when an S-GW-anchored dedicated bearer is created.	Per SAEGW Service	Standard
saegw	saegw-active-ded-bearers-pgw-anchored	INT32	Gauge	active	Total active P-GW-anchored dedicated bearers	Increments when a P-GW-anchored dedicated bearer is created.	Per SAEGW Service	Standard
saegw	saegw-active-ded-bearers-collocated	INT32	Gauge	active	Total active collocated dedicated bearers	Increments when a collocated dedicated bearer request is created.	Per SAEGW Service	Standard
saegw	saegw-release-ded-bearers-sgw-anchored	INT32	Incremental	active	Total released S-GW-anchored dedicated bearers	Increments when a delete S-GW-anchored dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-release-ded-bearers-pgw-anchored	INT32	Incremental	active	Total released P-GW-anchored dedicated bearers	Increments when a delete P-GW-anchored dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-release-ded-bearers-collocated	INT32	Incremental	active	Total released collocated dedicated bearers	IIncrements when a delete collocated dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-1-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 1	Bearer establishment, Bearer release for QCI 1.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-1-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 1	Bearer establishment for QCI 1.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-1-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 1	Bearer release for QCI 1.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-2-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 2	Bearer establishment, Bearer release for QCI 2.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-2-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 2	Bearer establishment for QCI 2.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-2-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 2	Bearer release for QCI 2.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-3-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 3	Bearer establishment, Bearer release for QCI 3.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-3-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 3	Bearer establishment for QCI 3.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-3-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 3	Bearer release for QCI 3.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-bearers-qci-4-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 4	Bearer establishment, Bearer release for QCI 4.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-4-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 4	Bearer establishment for QCI 4.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-4-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 4	Bearer release for QCI 4.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-5-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 5	Bearer establishment, Bearer release for QCI 5.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-5-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 5	Bearer establishment for QCI 5.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-5-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 5	Bearer release for QCI 5.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-6-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 6	Bearer establishment, Bearer release for QCI 6.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-6-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 6	Bearer establishment for QCI 6.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-6-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 6	Bearer release for QCI 6.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-7-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 7	Bearer establishment, Bearer release for QCI 7.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-7-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 7	Bearer establishment for QCI 7.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-7-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 7	Bearer release for QCI 7.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-8-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 8	Bearer establishment, Bearer release for QCI 8.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-8-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 8	Bearer establishment for QCI 8.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-8-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 8	Bearer release for QCI 8.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-9-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 9	Bearer establishment, Bearer release for QCI 9.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-9-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 9	Bearer establishment for QCI 9.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-9-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 9	Bearer release for QCI 9.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-65-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 65	Bearer establishment, Bearer release for QCI 65.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-65-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 65	Bearer establishment for QCI 65.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-65-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 65	Bearer release for QCI 65.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-66-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 66	Bearer establishment, Bearer release for QCI 66.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-66-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 66	Bearer establishment for QCI 66.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-66-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 66	Bearer release for QCI 66.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-69-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 69	Bearer establishment, Bearer release for QCI 69.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-69-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 69	Bearer establishment for QCI 69.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-69-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 69	Bearer release for QCI 69.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-70-active	INT32	Gauge	active	SAEGW: Active Bearers with QCI 70	Bearer establishment, Bearer release for QCI 70.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-70-setup	INT32	Incremental	active	SAEGW: Setup Bearers with QCI 70	Bearer establishment for QCI 70.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-70-released	INT32	Incremental	active	SAEGW: Released Bearers with QCI 70	Bearer release for QCI 70.	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-non-std-active	INT32	Gauge	active	SAEGW: Active Bearers with Non-Standard QCI	Bearer establishment, Bearer release for Non-Standard QCI .	Per SAEGW Service	Standard
saegw	saegw-bearers-qci-non-std-setup	INT32	Incremental	active	SAEGW: Setup Bearers with Non-Standard QCI	Bearer establishment for Non-Standard QCI.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-bearers-qci-non-std-released	INT32	Incremental	active	SAEGW: Released Bearers with Non-Standard QCI	Bearer release for Non-Standard QCI.	Per SAEGW Service	Standard
saegw	saegw-ipv4-pdn-dl-packets	INT64	Incremental	active	SAEGW: IPv4 PDN - Total Packets Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4-pdn-dl-bytes	INT64	Incremental	active	SAEGW: IPv4 PDN - Total Bytes Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4-pdn-ul-packets	INT64	Incremental	active	SAEGW: IPv4 PDN - Total Packets Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4-pdn-ul-bytes	INT64	Incremental	active	SAEGW: IPv4 PDN - Total Bytes Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv6-pdn-dl-packets	INT64	Incremental	active	SAEGW: IPv6 PDN - Total Packets Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv6-pdn-dl-bytes	INT64	Incremental	active	SAEGW: IPv6 PDN - Total Bytes Downloaded	Increments for downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv6-pdn-ul-packets	INT64	Incremental	active	SAEGW: IPv6 PDN - Total Packets Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv6-pdn-ul-bytes	INT64	Incremental	active	SAEGW: IPv6 PDN - Total Bytes Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv4-dl-packets	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv4 Packets Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv4-dl-bytes	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv4 Bytes Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv4-ul-packets	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv4 Packets Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv4-ul-bytes	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv4 Bytes Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv6-dl-packets	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv6 Packets Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv6-dl-bytes	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv6 Bytes Downloaded	Increments for a downlink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv6-ul-packets	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv6 Packets Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pdn-ipv6-ul-bytes	INT64	Incremental	active	SAEGW: IPv4v6 PDN - Total IPv6 Bytes Uploaded	Increments for an uplink packet.	Per SAEGW Service	Standard
saegw	sgw-sess-cur	INT32	Gauge	active	The total number of SGW sessions currently established on SGW (part of SAEGW).	Increments on SGW call establishment and decrements on SGW call release.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-ueidle	INT32	Gauge	active	Total no of UE currently in Idle state on SGW (part of SAEGW).	Increments when call goes to Idle state and decrements when it moves back to active state.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-ueactive	INT32	Gauge	active	Total no of UE currently in Active state on SGW (part of SAEGW).	Increments when SGW call is established with data bearers or idle call moves to active state and decrements on SGW active call is released or call moves to idle state.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-sessstat-totcur-ue-eutran	INT32	Gauge	active	Total active UEs with RAT type=EUTRAN on SGW (part of SAEGW).	Increments on SGW call establishment with EUTRAN RAT or RAT changed to EUTRAN and decrements when EUTRAN call is released or RAT changed from EUTRAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-ue-utran	INT32	Gauge	active	Total active UEs with RAT type=UTRAN on SGW (part of SAEGW).	Increments on SGW call establishment with UTRAN RAT or RAT changed to UTRAN and decrements when UTRAN call is released or RAT changed from UTRAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-ue-geran	INT32	Gauge	active	Total active UEs with RAT type=GERAN on SGW (part of SAEGW).	Increments on SGW call establishment with GERAN RAT or RAT changed to GERAN and decrements when GERAN call is released or RAT changed from GERAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-ue-other	INT32	Gauge	active	Total active UEs with RAT type other than EUTRAN, GERAN, UTRAN on SGW (part of SAEGW).	Increments on SGW call establishment with RAT other than EUTRAN, GERAN, UTRAN or RAT changed to other and decrements when other RAT call is released or RAT changed from other.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn	INT32	Gauge	active	Total Current - PDN on SGW (part of SAEGW).	Increments when new SGW PDN is established and decrements when PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-bearers	INT32	Gauge	active	Total currently active bearers on SGW (part of SAEGW).	Increments when new SGW bearer is setup and decrements when bearer is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-ipv4	INT32	Gauge	active	Total Current IPv4 PDN on SGW (part of SAEGW).	Increments when SGW IPv4 PDN is setup and decrements when IPv4 PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-ipv6	INT32	Gauge	active	Total Current IPv6 PDN on SGW (part of SAEGW).	Increments when SGW IPv6 PDN is setup and decrements when IPv6 PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-ipv4v6	INT32	Gauge	active	Total Current IPv4v6 PDN on SGW (part of SAEGW).	Increments when SGW IPv4v6 PDN is setup and decrements when IPv4v6 PDN is released.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-sessstat-totcur-pdn-eutran	INT32	Incremental	active	Total active PDNs with RAT type=EUTRAN on SGW (part of SAEGW).	Increments on SGW PDN establishment with EUTRAN RAT or RAT changed to EUTRAN and decrements when EUTRAN PDN is released or RAT changed from EUTRAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-utran	INT32	Incremental	active	Total active PDNs with RAT type=UTRAN on SGW (part of SAEGW).	Increments on SGW PDN establishment with UTRAN RAT or RAT changed to UTRAN and decrements when UTRAN PDN is released or RAT changed from UTRAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-geran	INT32	Incremental	active	Total active PDNs with RAT type=GERAN on SGW (part of SAEGW).	Increments on SGW PDN establishment with GERAN RAT or RAT changed to GERAN and decrements when GERAN PDN is released or RAT changed from GERAN.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-nb-iot	INT32	Gauge	active	Total active PDNs with RAT type=NB-IoT on SGW (part of SAEGW).	Increments on SGW PDN establishment with NB-IoT RAT and decrements when NB-IoT PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-other	INT32	Incremental	active	Total active PDNs with RAT type=OTHER on SGW (part of SAEGW).	Increments on SGW PDN establishment with RAT other than EUTRAN, GERAN, UTRAN or RAT changed to other and decrements when other RAT PDN is released or RAT changed from other.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totsetup-ue	INT32	Incremental	active	Total Setup - UE on SGW (part of SAEGW).	Increments when new SGW call is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totsetup-pdn	INT32	Incremental	active	Total number of PDN's setup on SGW (part of SAEGW).	Increments when a new SGW PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totcur-pdn-paused-charging	INT32	Gauge	active	Total Current PDN with Paused Charging on SGW (part of SAEGW).	Increments when SGW PDN charging is paused and decrements when charging is again enabled.	Per SAEGW Service	Standard
saegw	sgw-sessstat-totsetup-bearers	INT32	Incremental	active	Total number of Bearers setup on SGW (part of SAEGW).	Increments when new SGW bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetuptype-ipv4	INT32	Incremental	active	Total number of IPv4 PDN setup on SGW (part of SAEGW).	Increments when new IPv4 SGW PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetuptype-ipv6	INT32	Incremental	active	Total number of IPv6 PDN setup on SGW (part of SAEGW).	Increments when new IPv6 SGW PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetuptype-ipv4v6	INT32	Incremental	active	Total number of IPv4v6 PDN setup on SGW (part of SAEGW).	Increments when new IPv4v6 SGW PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetupintrface-s11	INT32	Incremental	active	Total PDNs Setup with Interface - S11 on SGW (part of SAEGW).	Increments when new SGW PDN is setup with S11 interface.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetupintrface-s4	INT32	Incremental	active	Total PDNs Setup with Interface - S4 on SGW (part of SAEGW).	Increments when new SGW PDN is setup with S4 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-sessstat-pdnsetups5proto-gtp	INT32	Incremental	active	Total PDNs Setup with S5 Proto - GTP on SGW (part of SAEGW).	Increments when new SGW PDN setup with S5 proto GTP.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnsetups5proto-pmip	INT32	Incremental	active	Total PDNs Setup with S5 Proto - PMIP on SGW (part of SAEGW).	Increments when new SGW PDN setup with S5 proto PMIP.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrel-ipv4	INT32	Incremental	active	Total IPv4 PDNs Released on SGW (part of SAEGW).	Increments when SGW IPv4 PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrel-ipv6	INT32	Incremental	active	Total IPv6 PDNs Released on SGW (part of SAEGW).	Increments when SGW IPv6 PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrel-ipv4v6	INT32	Incremental	active	Total IPv4v6 PDNs Released on SGW (part of SAEGW).	Increments when SGW IPv4v6 PDN is released.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-mme	INT32	Incremental	active	Total PDNs Released with reason MME Initiated on SGW (part of SAEGW).	Increments on MME initiated SGW PDN release.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pgw	INT32	Incremental	active	Total PDNs Released with reason PGW Initiated on SGW (part of SAEGW).	Increments when PGW initiated SGW PDN release.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pcrf	INT32	Incremental	active	Total PDNs Released with reason PCRF Initiated on SGW (part of SAEGW).	Increments when PCRF initiated SGW PDN release	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-local	INT32	Incremental	active	Total PDNs Released with local reason on SGW (part of SAEGW).	Increments when SGW PDN is released by local reason.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-s1err	INT32	Incremental	active	Total PDNs Released with reason S1 Error Ind on SGW (part of SAEGW).	Increments when SGW PDN is released by S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-s11err	INT32	Incremental	active	Total PDNs Released with reason S11 Error Ind on SGW (part of SAEGW).	Increments when SGW PDN is released by S11 error indication.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-s5err	INT32	Incremental	active	Total PDNs Released with reason S5 Error Ind on SGW (part of SAEGW).	Increments when SGW PDN is released by S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-s4err	INT32	Incremental	active	Total PDNs Released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when SGW PDN is released by S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-s12err	INT32	Incremental	active	Total PDNs Released with reason S12 Error Ind on SGW (part of SAEGW).	Increments when SGW PDN is released by S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S11	INT32	Incremental	active	Total PDNs Released with reason S11 Path Failure on SGW (part of SAEGW).	Increments when SGW PDN is released by S11 path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S5	INT32	Incremental	active	Total PDNs Released with reason S5 Path Failure on SGW (part of SAEGW).	Increments when SGW PDN is released by S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S5-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S5-U on SGW (part of SAEGW).	Increments when SGW PDN is released by S5U path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S1-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S1-U on SGW (part of SAEGW).	Increments when SGW PDN is released by S1U path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S4	INT32	Incremental	active	Total PDNs Released with reason path failure S4 on SGW (part of SAEGW).	Increments when SGW PDN is released by S4 path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S12	INT32	Incremental	active	Total PDNs Released with reason Path Failure S12 on SGW (part of SAEGW).	Increments when SGW PDN is released by S12 path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-sessstat-pdnrelrsn-pathfail-S4-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S4-U on SGW (part of SAEGW).	Increments when SGW PDN is released by S4U path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-pathfail-S11-u	INT32	Incremental	active	Total PDNs Released with reason Path Failure S11-U on SGW (part of SAEGW).	Increments when SGW PDN is released by S11U path failure.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrelrsn-other	INT32	Incremental	active	Total PDNs Released by local reason/ no resource on SGW (part of SAEGW).	Increments when SGW PDN is released by local reason	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrej-ipv4	INT32	Incremental	active	Total IPv4 PDNs Rejected on SGW (part of SAEGW).	Increments when SGW IPv4 PDN is rejected.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrej-ipv6	INT32	Incremental	active	Total IPv6 PDNs Rejected on SGW (part of SAEGW).	Increments when SGW IPv6 PDN is rejected.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrej-ipv4v6	INT32	Incremental	active	Total IPv4v6 PDNs Rejected on SGW (part of SAEGW).	Increments when SGW IPv4v6 PDN is rejected.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-pgw	INT32	Incremental	active	Total PDNs Rejected with reason P-GW Reject on SGW (part of SAEGW).	Increments when the S-GW receives a PDN Connection Reject from the P-GW.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-license	INT32	Incremental	active	Total PDNs Rejected with reason License limit exceed on SGW (part of SAEGW).	Increments when a New PDN Connection (Initial Attach) is rejected because of License Limit.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-newcall-policy	INT32	Incremental	active	Total PDNs Rejected with reason New Call Policy on SGW (part of SAEGW).	Increments when a New PDN Connection (Initial Attach) is rejected because a New Call Reject Policy is enabled.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-overload	INT32	Incremental	active	Total PDNs Rejected with reason Overload on SGW (part of SAEGW).	Increments when a New PDN Connection (Initial Attach) is rejected because Overload conditions are reached.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-cong	INT32	Incremental	active	Total PDNs Rejected with reason congestion on SGW (part of SAEGW).	Increments when a New PDN Connection (Initial Attach) is rejected because Congestion configuration is applied.	Per SAEGW Service	Standard
saegw	sgw-sessstat-pdnrejrsn-other	INT32	Incremental	active	Total PDNs Rejected with local reason on SGW (part of SAEGW).	Increments when the S-GW PDN is rejected by local reason	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-curr-active-sess	INT32	Gauge	active	Total Current Active Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR is enabled on SGW active call and decrements when ISR is disabled.	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-curr-idle-sess	INT32	Gauge	active	Total Current Idle Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR is enabled on SGW idle call and decrements when ISR is disabled.	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-activations-mme	INT32	Incremental	active	Total MME Activated Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR enabled from MME on SGW call.	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-activations-s4sgsn	INT32	Incremental	active	Total S4-SGSN Activated Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR enabled from S4SGSN on SGW call.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-sessstat-isr-deactivations-mme	INT32	Incremental	active	Total MME Deactivations Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR is disabled from MME on SGW call.	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-deactivations-s4sgsn	INT32	Incremental	active	Total S4-SGSN Deactivations Idle-mode Signaling Reduction Sessions on SGW (part of SAEGW).	Increments when ISR is disabled from MME on SGW call.	Per SAEGW Service	Standard
saegw	sgw-sessstat-isr-deactivations-callclear	INT32	Incremental	active	Total Call Cleared in ISR state on SGW (part of SAEGW).	Increments when call is cleared in ISR state.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci1	INT32	Gauge	active	Total EPS Bearers Active with QCI1 on SGW (part of SAEGW).	Increments when QCI1 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci2	INT32	Gauge	active	Total EPS Bearers Active with QCI2 on SGW (part of SAEGW).	Increments when QCI2 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci3	INT32	Gauge	active	Total EPS Bearers Active with QCI3 on SGW (part of SAEGW).	Increments when QCI3 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci4	INT32	Gauge	active	Total EPS Bearers Active with QCI4 on SGW (part of SAEGW).	Increments when QCI4 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci5	INT32	Gauge	active	Total EPS Bearers Active with QCI5 on SGW (part of SAEGW).	Increments when QCI5 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci6	INT32	Gauge	active	Total EPS Bearers Active with QCI6 on SGW (part of SAEGW).	Increments when QCI6 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci7	INT32	Gauge	active	Total EPS Bearers Active with QCI7 on SGW (part of SAEGW).	Increments when QCI7 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci8	INT32	Gauge	active	Total EPS Bearers Active with QCI8 on SGW (part of SAEGW).	Increments when QCI8 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci9	INT32	Gauge	active	Total EPS Bearers Active with QCI9 on SGW (part of SAEGW).	Increments when QCI9 bearer is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci65	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 65 on the S-GW (part of SAEGW).	Increments when a QCI 65 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci66	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 66 on the S-GW (part of SAEGW).	Increments when a QCI 66 bearer is created and decrements when it is released.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearact-qci69	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 69 on the S-GW (part of SAEGW).	Increments when a QCI 69 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci70	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 70 on the S-GW (part of SAEGW).	Increments when a QCI 70 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-other	INT32	Gauge	active	Total EPS Bearers Active - Other on SGW (part of SAEGW).	Increments when bearer other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci1	INT32	Incremental	active	Total EPS Bearers Setup with QCI 1 on SGW (part of SAEGW).	Increments when QCI1 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci2	INT32	Incremental	active	Total EPS Bearers Setup with QCI 2 on SGW (part of SAEGW).	Increments when QCI2 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci3	INT32	Incremental	active	Total EPS Bearers Setup with QCI 3 on SGW (part of SAEGW).	Increments when QCI3 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci4	INT32	Incremental	active	Total EPS Bearers Setup with QCI 4 on SGW (part of SAEGW).	Increments when QCI4 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci5	INT32	Incremental	active	Total EPS Bearers Setup with QCI 5 on SGW (part of SAEGW).	Increments when QCI5 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci6	INT32	Incremental	active	Total EPS Bearers Setup with QCI 6 on SGW (part of SAEGW).	Increments when QCI6 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci7	INT32	Incremental	active	Total EPS Bearers Setup with QCI 7 on SGW (part of SAEGW).	Increments when QCI7 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci8	INT32	Incremental	active	Total EPS Bearers Setup with QCI 8 on SGW (part of SAEGW).	Increments when QCI8 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci9	INT32	Incremental	active	Total EPS Bearers Setup with QCI 9 on SGW (part of SAEGW).	Increments when QCI9 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci65	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 65 on the S-GW (part of SAEGW).	Increments when a QCI 65 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci66	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 66 on the S-GW (part of SAEGW).	Increments when a QCI 66 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci69	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 69 on the S-GW (part of SAEGW).	Increments when a QCI 69 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci70	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 70 on the S-GW (part of SAEGW).	Increments when a QCI 70 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-other	INT32	Incremental	active	Total EPS Bearers Setup with QCI Other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 on SGW (part of SAEGW).	Increments when bearer is setup with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-attempt	INT32	Incremental	active	Total EPS Bearers Setup attempts on SGW (part of SAEGW).	Increments when new EPSB bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod	INT32	Incremental	active	Total EPS Bearers Modified on SGW (part of SAEGW).	Increments when EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci1	INT32	Incremental	active	Total EPS Bearers Released with QCI 1 on SGW (part of SAEGW).	Increments when QCI1 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci2	INT32	Incremental	active	Total EPS Bearers Released with QCI 2 on SGW (part of SAEGW).	Increments when QCI2 EPS bearer is released.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-qci3	INT32	Incremental	active	Total EPS Bearers Released with QCI 3 on SGW (part of SAEGW).	Increments when QCI3 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci4	INT32	Incremental	active	Total EPS Bearers Released with QCI 4 on SGW (part of SAEGW).	Increments when QCI4 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci5	INT32	Incremental	active	Total EPS Bearers Released with QCI 5 on SGW (part of SAEGW).	Increments when QCI5 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci6	INT32	Incremental	active	Total EPS Bearers Released with QCI 6 on SGW (part of SAEGW).	Increments when QCI6 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci7	INT32	Incremental	active	Total EPS Bearers Released with QCI 7 on SGW (part of SAEGW).	Increments when QCI7 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci8	INT32	Incremental	active	Total EPS Bearers Released with QCI 8 on SGW (part of SAEGW).	Increments when QCI8 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci9	INT32	Incremental	active	Total EPS Bearers Released with QCI 9 on SGW (part of SAEGW).	Increments when QCI9 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci65	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 65 on the S-GW (part of SAEGW).	Increments when a QCI 65 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci66	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 66 on the S-GW (part of SAEGW).	Increments when a QCI 66 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci69	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 69 on the S-GW (part of SAEGW).	Increments when a QCI 69 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci70	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 70 on the S-GW (part of SAEGW).	Increments when a QCI 70 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-other	INT32	Incremental	active	Total EPS Bearers Released with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 on SGW (part of SAEGW).	Increments when EPS bearer is released with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci1	INT32	Incremental	active	Total EPS Bearers Modified with QCI 1 on SGW (part of SAEGW).	Increments when QCI1 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci2	INT32	Incremental	active	Total EPS Bearers Modified with QCI 2 on SGW (part of SAEGW).	Increments when QCI2 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci3	INT32	Incremental	active	Total EPS Bearers Modified with QCI 3 on SGW (part of SAEGW).	Increments when QCI3 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci4	INT32	Incremental	active	Total EPS Bearers Modified with QCI 4 on SGW (part of SAEGW).	Increments when QCI4 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci5	INT32	Incremental	active	Total EPS Bearers Modified with QCI 5 on SGW (part of SAEGW).	Increments when QCI5 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci6	INT32	Incremental	active	Total EPS Bearers Modified with QCI 6 on SGW (part of SAEGW).	Increments when QCI6 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci7	INT32	Incremental	active	Total EPS Bearers Modified with QCI 7 on SGW (part of SAEGW).	Increments when QCI7 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci8	INT32	Incremental	active	Total EPS Bearers Modified with QCI 8 on SGW (part of SAEGW).	Increments when QCI8 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci9	INT32	Incremental	active	Total EPS Bearers Modified with QCI 9 on SGW (part of SAEGW).	Increments when QCI9 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci65	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 65 on the S-GW (part of SAEGW).	Increments when a QCI 65 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci66	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 66 on the S-GW (part of SAEGW).	Increments when a QCI 66 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci69	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 69 on the S-GW (part of SAEGW).	Increments when a QCI 69 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci70	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 70 on the S-GW (part of SAEGW).	Increments when a QCI 70 EPS bearer is modified.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearmod-other	INT32	Incremental	active	Total EPS Bearers Modified with QCI Other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 on SGW (part of SAEGW).	Increments when EPS bearer is modified with QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw	INT32	Incremental	active	Total dedicated EPS Bearers released with reason PGW Initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci1	INT32	Incremental	active	Total dedicated EPS Bearers of QCI1 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci2	INT32	Incremental	active	Total dedicated EPS Bearers of QCI2 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci3	INT32	Incremental	active	Total dedicated EPS Bearers of QCI3 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci4	INT32	Incremental	active	Total dedicated EPS Bearers of QCI4 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci5	INT32	Incremental	active	Total dedicated EPS Bearers of QCI5 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci6	INT32	Incremental	active	Total dedicated EPS Bearers of QCI6 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci7	INT32	Incremental	active	Total dedicated EPS Bearers of QCI7 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci8	INT32	Incremental	active	Total dedicated EPS Bearers of QCI8 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci9	INT32	Incremental	active	Total dedicated EPS Bearers of QCI9 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci65	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 65 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI65 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci66	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 66 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI66 is released with the reason P-GW initiated.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pgw-qci69	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 69 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI69 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci70	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 70 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI70 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci-other	INT32	Incremental	active	Total dedicated EPS Bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason PGW initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason PGW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pcrf	INT32	Incremental	active	Total dedicated EPS Bearers Released with reason PCRF initiated on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason PCRF initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err	INT32	Incremental	active	Total dedicated EPS Bearers released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci1	INT32	Incremental	active	Total dedicated EPS Bearers of QCI1 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci2	INT32	Incremental	active	Total dedicated EPS Bearers of QCI2 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci3	INT32	Incremental	active	Total dedicated EPS Bearers of QCI3 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci4	INT32	Incremental	active	Total dedicated EPS Bearers of QCI4 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci5	INT32	Incremental	active	Total dedicated EPS Bearers of QCI5 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci6	INT32	Incremental	active	Total dedicated EPS Bearers of QCI6 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci7	INT32	Incremental	active	Total dedicated EPS Bearers of QCI7 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci8	INT32	Incremental	active	Total dedicated EPS Bearers of QCI8 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S1 error indication.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-s1err-qci9	INT32	Incremental	active	Total dedicated EPS Bearers of QCI9 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci65	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 65 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI65 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci66	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 66 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI66 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci69	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 69 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI69 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci70	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 70 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI70 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci-other	INT32	Incremental	active	Total dedicated EPS Bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S1 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S5 error indication.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-s5err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI65 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI65 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI66 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI66 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI69 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI69 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI70 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI70 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S4 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S4 error indication.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-s4err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI65 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI65 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI66 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI66 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI69 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI69 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI70 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI70 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S4 Error Indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err	INT32	Incremental	active	Total dedicated EPS bearers released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S12 error indication.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-s12err-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI65 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI65 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI66 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI66 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI69 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI69 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI70 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI70 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S12 error indication on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local	INT32	Incremental	active	Total dedicated EPS bearers released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with local reason.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-local-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 65 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 65 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 66 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 66 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 69 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 69 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 70 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 70 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with local reason on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn	INT32	Incremental	active	Total dedicated EPS bearers released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released due to PDN cleanup.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pdn-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 65 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 65 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 66 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 66 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 69 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 69 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 70 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 70 is released due to PDN cleanup.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pdn-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released due to PDN cleanup on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u	INT32	Incremental	active	Total dedicated EPS bearers released with reason S1-U path failure on SGW (part of SAEGW).	Increments dedicated EPS bearer is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 65 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 65 is released with the reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 66 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 66 is released with the reason S1-U path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 69 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 69 is released with the reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 70 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 70 is released with the reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S1-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5-U path failure on SGW (part of SAEGW).	Increments dedicated EPS bearer is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S5-U path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 65 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 65 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 66 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 66 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 69 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 69 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 70 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 70 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5-U path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5	INT32	Incremental	active	Total dedicated EPS bearers released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci3	INT32	Incremental	active	Total dedicated EPS bearers of QCI3 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI3 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci4	INT32	Incremental	active	Total dedicated EPS bearers of QCI4 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI4 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci5	INT32	Incremental	active	Total dedicated EPS bearers of QCI5 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI5 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci6	INT32	Incremental	active	Total dedicated EPS bearers of QCI6 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI6 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci7	INT32	Incremental	active	Total dedicated EPS bearers of QCI7 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI7 is released with reason S5 path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci8	INT32	Incremental	active	Total dedicated EPS bearers of QCI8 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI8 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci9	INT32	Incremental	active	Total dedicated EPS bearers of QCI9 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI9 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci65	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 65 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 65 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci66	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 66 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 66 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci69	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 69 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 69 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci70	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 70 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 70 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci-other	INT32	Incremental	active	Total dedicated EPS bearers of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 released with reason S5 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI other than QCI1 to QCI9, QCI65, QCI66, QCI69, QCI70, QCI80, QCI82 and QCI83 is released with reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11	INT32	Incremental	active	Total dedicated EPS bearers released with reason S11 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer is released with reason S11 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci1	INT32	Incremental	active	Total dedicated EPS bearers of QCI1 released with reason S11 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI1 is released with reason S11 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci2	INT32	Incremental	active	Total dedicated EPS bearers of QCI2 released with reason S11 path failure on SGW (part of SAEGW).	Increments when dedicated EPS bearer of QCI2 is released with reason S11 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 3 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 4 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 5 is released due to Path failure on S11 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 6 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 7 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 8 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S11 interface.	Increments when dedicated bearer with QCI 9 is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 65 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 66 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 69 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 70 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Path Failure on S11 interface .	Increments when dedicated bearer with non-standard QCI is released due to Path failure on S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12	INT32	Incremental	active	Total Dedicated Bearers released due to Path Failure on S12 interface	Increments when dedicated bearer is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 1 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 2 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 3 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 4 is released due to Path failure on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 5 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 6 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 7 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 8 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S12 interface.	Increments when dedicated bearer with QCI 9 is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 65 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 66 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 69 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 70 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Path Failure on S12 interface.	Increments when dedicated bearer with non-standard QCI is released due to Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u	INT32	Incremental	active	Total Dedicated Bearers released due to Path Failure on S4-U interface	Increments when dedicated bearer is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 1 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 2 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 3 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 4 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 5 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 6 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 7 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 8 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Path Failure on S4-U interface.	Increments when dedicated bearer with QCI 9 is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 65 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 66 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 69 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 70 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Path Failure on S4-U interface.	Increments when dedicated bearer with non-standard QCI is released due to Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout	INT32	Incremental	active	Total Dedicated Bearers released due to Inactivity Timeout	Increments when dedicated bearer is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 1 is released due to Inactivity Timeout	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 2 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 3 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 4 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 5 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 6 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 7 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 8 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Inactivity Timeout	Increments when dedicated bearer with QCI 9 is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 65 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 66 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 69 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 70 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Inactivity Timeout	Increments when dedicated bearer with non-standard QCI is released due to Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other	INT32	Incremental	active	Total Dedicated Bearers released due to Other reason	Increments when dedicated bearer is released due to Other reason	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-other-qci1	INT32	Incremental	active	Total Dedicated Bearers with QCI 1 released due to Other reason.	Increments when dedicated bearer with QCI 1 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci2	INT32	Incremental	active	Total Dedicated Bearers with QCI 2 released due to Other reason.	Increments when dedicated bearer with QCI 2 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci3	INT32	Incremental	active	Total Dedicated Bearers with QCI 3 released due to Other reason.	Increments when dedicated bearer with QCI 3 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci4	INT32	Incremental	active	Total Dedicated Bearers with QCI 4 released due to Other reason.	Increments when dedicated bearer with QCI 4 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci5	INT32	Incremental	active	Total Dedicated Bearers with QCI 5 released due to Other reason.	Increments when dedicated bearer with QCI 5 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci6	INT32	Incremental	active	Total Dedicated Bearers with QCI 6 released due to Other reason.	Increments when dedicated bearer with QCI 6 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci7	INT32	Incremental	active	Total Dedicated Bearers with QCI 7 released due to Other reason.	Increments when dedicated bearer with QCI 7 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci8	INT32	Incremental	active	Total Dedicated Bearers with QCI 8 released due to Other reason.	Increments when dedicated bearer with QCI 8 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci9	INT32	Incremental	active	Total Dedicated Bearers with QCI 9 released due to Other reason.	Increments when dedicated bearer with QCI 9 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci65	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 65 released due to Other reason.	Increments when a dedicated bearer with QCI 65 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci66	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 66 released due to Other reason.	Increments when a dedicated bearer with QCI 66 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci69	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 69 released due to Other reason.	Increments when a dedicated bearer with QCI 69 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci70	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 70 released due to Other reason.	Increments when a dedicated bearer with QCI 70 is released due to Other reason	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-other-qci-other	INT32	Incremental	active	Total Dedicated Bearers with non-standard QCI released due to Other reason.	Increments when dedicated bearer with non-standard QCI is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci1totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci1totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci2totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci2totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci3totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci3totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci4totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci4totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci5totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci5totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci6totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci6totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 6	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-ul-qci7totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci7totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci8totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci8totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci9totbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci9totpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci65totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci65totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci66totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci66totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci69totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci69totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 69	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-ul-qci70totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci70totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-othertotbyte	INT32	Incremental	active	Total uplink data bytes received by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) receives uplink data byte for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-othertotpkt	INT32	Incremental	active	Total uplink data packets received by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) receives uplink data packet for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci1totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci1totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci2totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci2totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci3totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci3totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci4totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci4totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci5totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-ul-dropstat-qci5totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci6totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci6totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci7totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci7totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci8totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci8totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci9totbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci9totpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci65totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci65totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci66totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci66totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-ul-dropstat-qci69totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci69totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci70totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci70totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-othertotbyte	INT32	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-othertotpkt	INT32	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci1totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci1totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci2totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci2totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci3totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci3totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci4totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-qci4totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci5totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci5totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci6totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci6totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci7totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci7totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci8totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci8totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci9totbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci9totpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci65totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci65totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-qci66totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci66totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci69totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci69totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci70totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci70totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-othertotbyte	INT32	Incremental	active	Total downlink data bytes received by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-othertotpkt	INT32	Incremental	active	Total downlink data packets received by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci1totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci1totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci2totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-dropstat-qci2totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci3totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci3totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci4totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci4totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci5totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci5totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci6totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci6totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci7totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci7totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci8totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci8totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-dropstat-qci9totbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci9totpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci65totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci65totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci66totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci66totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci69totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci69totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci70totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci70totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-othertotbyte	INT32	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-dropstat-othertotpkt	INT32	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-x2	INT32	Incremental	active	Total X2 based Inter-S-GW handover attempted for S-GW (part of SAEGW)	Increments when X2 based Inter-S-GW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-x2-success	INT32	Incremental	active	Total X2 based Inter-S-GW handover succeeded for S-GW (part of SAEGW)	Increments when X2 based Inter-S-GW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-x2-fail	INT32	Incremental	active	Total X2 based Inter-S-GW handover failed for S-GW (part of SAEGW)	Increments when X2 based Inter-S-GW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-idletau	INT32	Incremental	active	Total Idle-mode TAU Inter-S-GW handover attempted for S-GW (part of SAEGW)	Increments when Idle-mode TAU Inter-S-GW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-idletau-success	INT32	Incremental	active	Total Idle-mode TAU Inter-S-GW handover succeeded for S-GW (part of SAEGW)	Increments when Idle-mode TAU Inter-S-GW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-idletau-fail	INT32	Incremental	active	Total Idle-mode TAU Inter-S-GW handover failed for S-GW (part of SAEGW)	Increments when Idle-mode TAU Inter-S-GW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-s1	INT32	Incremental	active	Total S1 Based Inter-S-GW handover attempted for S-GW (part of SAEGW)	Increments when S1 Based Inter-S-GW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-s1-success	INT32	Incremental	active	Total S1 Based Inter-S-GW handover succeeded for S-GW (part of SAEGW)	Increments when S1 Based Inter-S-GW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnin-s1-fail	INT32	Incremental	active	Total S1 Based Inter-S-GW handover failed for S-GW (part of SAEGW)	Increments when S1 Based Inter-S-GW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnout	INT32	Incremental	active	Total outgoing PDNs for S-GW (part of SAEGW) in Inter-SGW handover	Increments when outgoing PDNs for S-GW (part of SAEGW) in Inter-SGW handover	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-intersystem	INT32	Incremental	active	Total Inter system Inter-SGW handover attempted for S-GW (part of SAEGW)	Increments when Inter system Inter-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-intersystem-success	INT32	Incremental	active	Total Inter system Inter-SGW handover succeeded for S-GW (part of SAEGW)	Increments when Inter system Inter-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-intersystem-fail	INT32	Incremental	active	Total Inter system Inter-SGW handover failed for S-GW (part of SAEGW)	Increments when Inter system Inter-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intramme	INT32	Incremental	active	Total Intra-MME Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when Intra-MME Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intramme-success	INT32	Incremental	active	Total Intra-MME Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when Intra-MME Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intramme-fail	INT32	Incremental	active	Total Intra-MME Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when Intra-MME Intra-SGW handover is failed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-intrasgwhaovstat-intermme	INT32	Incremental	active	Total Inter-MME Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when Inter-MME Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intermme-success	INT32	Incremental	active	Total Inter-MME Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when Inter-MME Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intermme-fail	INT32	Incremental	active	Total Inter-MME Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when Inter-MME Intra-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intrasgsn	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when Intra-SGSN Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intrasgsn-success	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when Intra-SGSN Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intrasgsn-fail	INT32	Incremental	active	Total Intra-SGSN Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when Intra-SGSN Intra-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intersgsn	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when Inter-SGSN Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intersgsn-success	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when Inter-SGSN Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-intersgsn-fail	INT32	Incremental	active	Total Inter-SGSN Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when Inter-SGSN Intra-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-mme-to-sgsn	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when MME-to-SGSN Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-mme-to-sgsn-success	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when MME-to-SGSN Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-mme-to-sgsn-fail	INT32	Incremental	active	Total MME-to-SGSN Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when MME-to-SGSN Intra-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-sgsn-to-mme	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover attempted for S-GW (part of SAEGW)	Increments when SGSN-to-MME Intra-SGW handover is attempted	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-sgsn-to-mme-success	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover succeeded for S-GW (part of SAEGW)	Increments when SGSN-to-MME Intra-SGW handover is succeeded	Per SAEGW Service	Standard
saegw	sgw-intrasgwhaovstat-sgsn-to-mme-fail	INT32	Incremental	active	Total SGSN-to-MME Intra-SGW handover failed for S-GW (part of SAEGW)	Increments when SGSN-to-MME Intra-SGW handover is failed	Per SAEGW Service	Standard
saegw	sgw-pagingstat-req	INT32	Incremental	active	Total Paging Requests for S-GW (part of SAEGW)	Increments when S-GW (part of SAEGW) generates paging request	Per SAEGW Service	Standard
saegw	sgw-pagingstat-rej	INT32	Incremental	active	Total Paging Rejects for S-GW (part of SAEGW)	Increments when S-GW (part of SAEGW) generated paging request is rejected	Per SAEGW Service	Standard
saegw	sgw-pagingstat-fail	INT32	Incremental	active	Total Paging Failures for S-GW (part of SAEGW)	Increments when S-GW (part of SAEGW) generated paging request is failed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-pagingstat-hlcom-success	INT32	Incremental	active	Indicates the total number of HLCOM sessions successfully created for S-GW (part of SAEGW) during paging.	Increments when S-GW (part of SAEGW) creats HLCOM session during paging	Per SAEGW Service	Standard
saegw	sgw-pagingstat-actidleuetrans	INT32	Incremental	active	Total Active-Idle UE Transitions or S-GW (part of SAEGW)	Increments when UE changes state from Active to Idle	Per SAEGW Service	Standard
saegw	sgw-pagingstat-idleactuetrans	INT32	Incremental	active	Total Idle-Active UE Transitions or S-GW (part of SAEGW)	Increments when UE changes state from Idle to Active	Per SAEGW Service	Standard
saegw	sgw-pagingstat-highpriorityddn-initiated	INT32	Incremental	active	Total high priority DDNs initiated for an S-GW that is associated with an SAEGW service.	Increments when a UE sends a high priority DDN.	Per SAEGW Service	Standard
saegw	sgw-pagingstat-highpriorityddn-suppressed	INT32	Incremental	active	Total high priority DDNs suppressed for an S-GW that is associated with an SAEGW service.	Increments when UE cannot send a high priority DDN because it has already been sent.	Per SAEGW Service	Standard
saegw	sgw-pagingstat-ack-cause110-received	INT32	Incremental	active	The total number of DDN Ack messages received with cause code #110 (temp-ho-rejection) for a standalone S-GW.	Increments when a DDN Ack message with cause code #110 (temp-ho-rejection) is received.	At S-GW service level which is part of SAEGW service.	Standard
saegw	sgw-pagingstat-taurau-triggered-ddn	INT32	Incremental	active	The total number of DDNs triggered due to TAU/RAU requests resulting in a peer node change for a standalone S-GW.	Increments when a DDN is triggered towards the new peer node established due to a TAU/RAU request.	At S-GW service level which is part of SAEGW service.	Standard
saegw	sgw-pagingreldatastat-totbytebuff	INT32	Incremental	active	Total Bytes Buffered by S-GW (part of SAEGW) during Paging	Increments when S-GW (part of SAEGW) buffers data for UE during Paging	Per SAEGW Service	Standard
saegw	sgw-pagingreldatastat-disc	INT32	Incremental	active	Total Bytes Discarded by S-GW (part of SAEGW) during Paging	Increments when S-GW (part of SAEGW) discards data for UE during Paging	Per SAEGW Service	Standard
saegw	sgw-misc-uldatabeformbreq	INT32	Incremental	active	Number of uplink data bytes received before MBReq on SGW (part of SAEGW).	Increments when uplink data byte received before MBReq.	Per SAEGW Service	Standard
saegw	sgw-misc-cbreqrcvbeforcsrsp	INT32	Incremental	active	Number of CBReq received before CSRsp on SGW (part of SAEGW).	Increments when CBReq is received before CSRsp.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totcur-tunnels	INT32	Gauge	active	The total number of current Indirect forwarding tunnels on SGW (part of SAEGW).	Increments when indirect forwading tunnel is created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totcur-bearers	INT32	Gauge	active	The total number of current bearers in indirect forwarding tunnel on SGW (part of SAEGW).	Increments when indirect forwarding bearers are created and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totsetup-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels set up on SGW (part of SAEGW).	Increments when indirect forwading tunnel is created.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totsetup-bearers	INT32	Incremental	active	The total number of bearers setup in indirect forwarding tunnel on SGW (part of SAEGW).	Increments when indirect forwarding bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totrel-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels released on SGW (part of SAEGW).	Increments when indirect forwading tunnel is released	Per SAEGW Service	Standard
saegw	sgw-indftstat-totrel-bearers	INT32	Incremental	active	The total number of Indirect forwarding bearers released on SGW (part of SAEGW).	Increments when indirect forwarding bearer is released.	Per SAEGW Service	Standard
saegw	sgw-indftstat-totfail-tunnels	INT32	Incremental	active	The total number of Indirect forwarding tunnels failed on SGW (part of SAEGW).	Increments when indirect forwarding tunnel creation fails.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-indftstat-data-fwd-pkts	INT32	Incremental	active	The total number of packets forwarded in Indirect forwarding tunnel on SGW (part of SAEGW).	Increments when packet is sent in indirect forwarding tunnel.	Per SAEGW Service	Standard
saegw	sgw-indftstat-data-fwd-bytes	INT32	Incremental	active	The total number of bytes forwarded in Indirect forwarding tunnel on SGW (part of SAEGW).	Increments when bytes are sent in indirect forwarding tunnel.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-home-pdn-active	INT32	Gauge	active	Total Home PDNs active on SGW (part of SAEGW).	Increments when new home PDN is setup and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-home-pdn-setup	INT32	Incremental	active	Total Home PDNs setup on SGW (part of SAEGW).	Increments when new home PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-home-pdn-released	INT32	Incremental	active	Total Home PDNs released on SGW (part of SAEGW).	Increments when home PDN is released.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-roam-pdn-active	INT32	Gauge	active	Total Roaming PDNs active on SGW (part of SAEGW).	Increments when new roaming PDN is setup and decrements when its released.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-roam-pdn-setup	INT32	Incremental	active	Total Roaming PDNs setup on SGW (part of SAEGW).	Increments when new roaming PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-roam-pdn-released	INT32	Incremental	active	Total Roaming PDNs released on SGW (part of SAEGW).	Increments when roaming PDN is released.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-vist-pdn-active	INT32	Gauge	active	Total Visiting PDNs active on SGW (part of SAEGW).	Increments when new visiting PDN is setup and decrements when its released..	Per SAEGW Service	Standard
saegw	sgw-plmnstat-vist-pdn-setup	INT32	Incremental	active	Total Visiting PDNs setup on SGW (part of SAEGW).	Increments when new visiting PDN is setup.	Per SAEGW Service	Standard
saegw	sgw-plmnstat-vist-pdn-released	INT32	Incremental	active	Total Visiting PDNs released on SGW (part of SAEGW).	Increments when visiting PDN is released.	Per SAEGW Service	Standard
saegw	sgw-ipv4-pdn-to-user-pkt	INT64	Incremental	active	Total number of downlink packets with IPv4 PDN	Increments when downlink data packet is sent with IPv4 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4-pdn-to-user-byte	INT64	Incremental	active	Total number of downlink bytes with IPv4 PDN	Increments when downlink data byte is sent with IPv4 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4-pdn-from-user-pkt	INT64	Incremental	active	Total number of uplink packets with IPv4 PDN	Increments when uplink data packet is received with IPv4 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4-pdn-from-user-byte	INT64	Incremental	active	Total number of uplink bytes with IPv4 PDN	Increments when uplink data byte is received with IPv4 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv6-pdn-to-user-pkt	INT64	Incremental	active	Total number of downlink packets with IPv6 PDN	Increments when downlink data packet is sent with IPv6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv6-pdn-to-user-byte	INT64	Incremental	active	Total number of downlink bytes with IPv6 PDN	Increments when downlink data byte is sent with IPv6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv6-pdn-from-user-pkt	INT64	Incremental	active	Total number of uplink packets with IPv6 PDN	Increments when uplink data packet is received with IPv6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv6-pdn-from-user-byte	INT64	Incremental	active	Total number of uplink bytes with IPv6 PDN	Increments when uplink data byte is received with IPv6 PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-ipv4v6-pdn-ipv4-to-user-pkt	INT64	Incremental	active	Total number of IPv4 downlink packets with IPv4v6 PDN	Increments when IPv4 downlink data packet is sent with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv4-to-user-byte	INT64	Incremental	active	Total number of IPv4 downlink bytes with IPv4v6 PDN	Increments when IPv4 downlink data byte is sent with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv4-from-user-pkt	INT64	Incremental	active	Total number of IPv4 uplink packets with IPv4v6 PDN	Increments when IPv4 uplink data packet is received with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv4-from-user-byte	INT64	Incremental	active	Total number of IPv4 uplink bytes with IPv4v6 PDN	Increments when IPv4 uplink data byte is received with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv6-to-user-pkt	INT64	Incremental	active	Total number of IPv6 downlink packets with IPv4v6 PDN	Increments when IPv6 downlink data packet is sent with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv6-to-user-byte	INT64	Incremental	active	Total number of IPv6 downlink bytes with IPv4v6 PDN	Increments when IPv6 downlink data byte is sent with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv6-from-user-pkt	INT64	Incremental	active	Total number of IPv6 uplink packets with IPv4v6 PDN	Increments when IPv6 uplink data packet is received with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-ipv4v6-pdn-ipv6-from-user-byte	INT64	Incremental	active	Total number of IPv6 uplink bytes with IPv4v6 PDN	Increments when IPv6 uplink data byte is received with IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	byte	INT64	Incremental	active	Total number of IPv6 uplink bytes with IPv4v6 PDN	Increments when packet is IPv4v6 PDN.	Per SAEGW Service	Standard
saegw	sgw-srcviolatestat-packets-dropped	INT32	Incremental	active	Total number of Packets dropped with IP Source Validation on SGW (part of SAEGW).	Increments when packet is dropped with IP Source Validation.	Per SAEGW Service	Standard
saegw	sgw-srcviolatestat-bytes-dropped	INT32	Incremental	active	Total number of data bytes dropped with IP Source Validation on SGW (part of SAEGW).	Increments when data byte is dropped with IP Source Validation.	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-packets	INT64	Incremental	active	Total uplink packets received on S1U interface on SGW (part of SAEGW).	Increments when uplink packet is received on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-bytes	INT64	Incremental	active	Total uplink bytes received on S1U interface on SGW (part of SAEGW).	Increments when uplink byte is received on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-packets	INT64	Incremental	active	Total downlink packets sent on S1U interface on SGW (part of SAEGW).	Increments when downlink packet is sent on S1U interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-bytes	INT64	Incremental	active	Total downlink bytes sent on S1U interface on SGW (part of SAEGW).	Increments when downlink byte is sent on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-dropped-packets	INT64	Incremental	active	Total uplink packets dropped on S1U interface on SGW (part of SAEGW).	Increments when uplink packet is dropped on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped on S1U interface on SGW (part of SAEGW).	Increments when uplink byte is dropped on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-dropped-packets	INT64	Incremental	active	Total downlink packets dropped on S1U interface on SGW (part of SAEGW).	Increments when downlink packet is dropped on S1U interface.	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped on S1U interface on SGW (part of SAEGW).	Increments when downlink byte is dropped on S1U interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI1 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI1 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI2 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI2 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI3 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI3 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI4 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI4 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI5 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI5 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI6 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI6 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI7 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI7 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI7 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI8 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI8 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI9 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI9 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 65 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 65 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 66 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 66 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 69 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 69 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 70 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 70 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI other than 1 to 9 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI other than 1 to 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI other than 1 to 9 on S1u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI other than 1 to 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S1u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9 on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S1u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI on S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-packets	INT64	Incremental	active	Total uplink packets received on S11U interface on SGW (part of SAEGW).	Increments when uplink packet is received on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-bytes	INT64	Incremental	active	Total uplink bytes received on S11U interface on SGW (part of SAEGW).	Increments when uplink byte is received on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-packets	INT64	Incremental	active	Total downlink packets sent on S11U interface on SGW (part of SAEGW).	Increments when downlink packet is sent on S11U interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-bytes	INT64	Incremental	active	Total downlink bytes sent on S11U interface on SGW (part of SAEGW).	Increments when downlink byte is sent on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-dropped-packets	INT64	Incremental	active	Total uplink packets dropped on S11U interface on SGW (part of SAEGW).	Increments when uplink packet is dropped on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-dropped-bytes	INT64	Incremental	active	Total uplink bytes dropped on S11U interface on SGW (part of SAEGW).	Increments when uplink byte is dropped on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-dropped-packets	INT64	Incremental	active	Total downlink packets dropped on S11U interface on SGW (part of SAEGW).	Increments when downlink packet is dropped on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-dropped-bytes	INT64	Incremental	active	Total downlink bytes dropped on S11U interface on SGW (part of SAEGW).	Increments when downlink byte is dropped on S11U interface.	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI1 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI1 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI2 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI2 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI3 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI3 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI4 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI4 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI4 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI5 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI5 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI6 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI6 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI7 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI7 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI8 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI8 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI9 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI9 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 65 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 65 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 66 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 66 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 69 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 69 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 70 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 70 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes received by S-GW for bearer with QCI other than 1 to 9 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data byte for bearer with QCI other than 1 to 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets received by S-GW for bearer with QCI other than 1 to 9 on S11u interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet for bearer with QCI other than 1 to 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI2 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S11u interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6 on S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9 on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S11u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI on S11u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6 on S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9 on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S4u interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI on S4u interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6 on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9 on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66 on the S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S12 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI on S12 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 1 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 2 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 3 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 4 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 5 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 6 on S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 7 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 8 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with QCI 9 on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 65 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 66 on the S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 69 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 70 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S5 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet for bearer with non-standard QCI on S5 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-packets	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-bytes	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-packets	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) accepts downlink data packet on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-bytes	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) accepts downlink data byte on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet on S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) drops downlink data packet on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW (part of SAEGW) on S8 interface.	Increments when S-GW (part of SAEGW) drops downlink data byte on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with QCI 9 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 9 on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with QCI 9 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 65 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 65 on the S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 66 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 66 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 69 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 69 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 70 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 70 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data byte for bearer with non-standard QCI on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW (part of SAEGW) for bearer with non-standard QCI on S8 interface.	Increments when S-GW (part of SAEGW) accepts uplink data packet for bearer with non-standard QCI on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with QCI 9 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with QCI 9 on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with QCI 9 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 65 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 65 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 65 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 66 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 66 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 66 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 69 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 69 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 69 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 70 on the S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 70 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 70 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data byte for bearer with non-standard QCI on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW (part of SAEGW) for bearer with non-standard QCI on S8 interface.	Increments when S-GW (part of SAEGW) drops uplink data packet for bearer with non-standard QCI on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 1 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 1 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 2 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 2 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 3 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 3 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 4 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 4 on S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 5 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 5 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 6 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 6 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 7 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 7 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data byte for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW (part of SAEGW) for bearer with QCI 8 on S8 interface.	Increments when S-GW (part of SAEGW) accpets downlink data packet for bearer with QCI 8 on S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 65 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 65 on the S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 65 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 65 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 66 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 66 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 66 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 66 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 69 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 69 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 69 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 69 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 70 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 70 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 70 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 70 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI other than 1 to 9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI other than 1 to 9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI other than 1 to 9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI other than 1 to 9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI1 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI1 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI1 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI1 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI2 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI2 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI2 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI2 on S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI3 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI3 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI3 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI3 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI4 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI4 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI4 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI4 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI5 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI5 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI5 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI5 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI6 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI6 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI7 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI7 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI7 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI7 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI8 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI8 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI8 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI8 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI9 on S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 65 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 65 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 65 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 65 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 66 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 66 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 66 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 66 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 69 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 69 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 69 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 69 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 70 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 70 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 70 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 70 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI other than 1 to 9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI other than 1 to 9 on S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-packets	INT64	Incremental	active	Total uplink data packets received by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW receives uplink data packet on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-bytes	INT64	Incremental	active	Total uplink data bytes received by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments by the number of uplink bytes sent on S5/s8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-packets	INT64	Incremental	active	Total downlink data packets received by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW receives downlink data packet on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-bytes	INT64	Incremental	active	Total downlink data bytes received by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when downlink bytes received on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-dropped-packets	INT64	Incremental	active	Total uplink data packets dropped by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-dropped-bytes	INT64	Incremental	active	Total uplink data bytes dropped by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when uplink bytes dropped on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-dropped-packets	INT64	Incremental	active	Total downlink data packets dropped by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-dropped-bytes	INT64	Incremental	active	Total downlink data bytes dropped by S-GW on S5/S8 interface on SGW (part of SAEGW).	Increments when downlink data bytes dropped on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci1totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci1totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci2totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci2totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci3totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci3totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci4totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci4totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci5totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci5totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-ul-qci6totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci6totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci7totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci7totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci8totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci8totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci9totbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci9totpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-ul-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-othertotbyte	INT64	Incremental	active	Total uplink data bytes accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-othertotpkt	INT64	Incremental	active	Total uplink data packets accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts uplink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci1totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci1totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci2totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci2totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci3totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci3totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci4totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci4totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-ul-drop-qci5totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci5totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci6totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci6totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci7totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci7totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci8totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci8totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI8on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci9totbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci9totpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci65totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci65totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci66totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-ul-drop-qci66totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci69totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci69totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci70totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci70totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-othertotbyte	INT64	Incremental	active	Total uplink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-otherpkt	INT64	Incremental	active	Total uplink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops uplink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci1totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci1totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci2totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci2totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci3totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci3totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-qci4totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci4totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci5totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci5totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci6totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci6totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci7totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci7totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci8totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci8totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci9totbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci9totpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-othertotbyte	INT64	Incremental	active	Total downlink data bytes accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-othertotpkt	INT64	Incremental	active	Total downlink data packets accepted by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW accepts downlink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci1totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci1totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI1 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI1 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci2totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-drop-qci2totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI2 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI2 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci3totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci3totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI3 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI3 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci4totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci4totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI4 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI4 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci5totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci5totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI5 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI5 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci6totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci6totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI6 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI6 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci7totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci7totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI7 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI7 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci8totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci8totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI8 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI8 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-drop-qci9totbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci9totpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci65totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci65totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 65 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 65 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci66totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci66totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 66 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 66 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci69totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci69totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 69 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 69 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci70totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci70totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 70 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 70 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-othertotbyte	INT64	Incremental	active	Total downlink data bytes dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data byte for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-othertotpkt	INT64	Incremental	active	Total downlink data packets dropped by S-GW for bearer with QCI other than 1 to 9 on S5/S8 interface on SGW (part of SAEGW).	Increments when S-GW drops downlink data packet for bearer with QCI other than 1 to 9 on S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-trafpol-ul-pkts-red	INT64	Incremental	active	Total uplink packets marked red with traffic policing on SGW (part of SAEGW).	Increments when packet is marked red in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-pkts-green	INT64	Incremental	active	Total uplink packets marked green with traffic policing on SGW (part of SAEGW).	Increments when packet is marked green in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-pkts-yellow	INT64	Incremental	active	Total uplink packets marked yellow with traffic policing on SGW (part of SAEGW).	Increments when packet is marked yellow in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-bytes-red	INT64	Incremental	active	Total uplink bytes marked red with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked red in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-bytes-green	INT64	Incremental	active	Total uplink bytes marked green with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked green in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-bytes-yellow	INT64	Incremental	active	Total uplink bytes marked yellow with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked yellow in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-red	INT64	Incremental	active	Total downlink packets marked red with traffic policing on SGW (part of SAEGW).	Increments when packet is marked red in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-green	INT64	Incremental	active	Total downlink packets marked green with traffic policing on SGW (part of SAEGW).	Increments when packet is marked green in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-yellow	INT64	Incremental	active	Total downlink packets marked yellow with traffic policing on SGW (part of SAEGW).	Increments when packet is marked yellow in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-red	INT64	Incremental	active	Total downlink bytes marked red with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked red in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-green	INT64	Incremental	active	Total downlink bytes marked green with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked green in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-yellow	INT64	Incremental	active	Total downlink bytes marked yellow with traffic policing on SGW (part of SAEGW).	Increments when data byte is marked yellow in traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-pkts-dropped	INT64	Incremental	active	Total uplink packets dropped with traffic policing on SGW (part of SAEGW).	Increments when uplink data packet is dropped with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-pkts-low_ip_prec	INT64	Incremental	active	Total uplink packets marked for low IP precedence with traffic policing on SGW (part of SAEGW).	Increments when uplink packet is marked for low IP precedence with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-pkts-xmitted	INT64	Incremental	active	Total uplink packets transmitted with traffic policing on SGW (part of SAEGW).	Increments when uplink packet is transmitted with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-bytes-dropped	INT64	Incremental	active	Total uplink bytes dropped with traffic policing on SGW (part of SAEGW).	Increments when uplink byte is dropped with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-ul-bytes-low_ip_prec	INT64	Incremental	active	Total uplink bytes marked for low IP precedence with traffic policing on SGW (part of SAEGW).	Increments when uplink byte is marked for low IP precedence with traffic policing.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-trafpol-ul-bytes-xmitted	INT64	Incremental	active	Total uplink bytes transmitted on SGW (part of SAEGW).	Increments when uplink byte is transmitted with traffic policing..	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-dropped	INT64	Incremental	active	Total downlink packets dropped with traffic policing on SGW (part of SAEGW).	Increments when downlink packet is dropped with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-low_ip_prec	INT64	Incremental	active	Total downlink packets marked for low IP precedence with traffic policing on SGW (part of SAEGW).	Increments when downlink packet is marked for low IP precedence with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-pkts-xmitted	INT64	Incremental	active	Total downlink packets transmitted with traffic policing on SGW (part of SAEGW).	Increments when downlink packet is transmitted with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-dropped	INT64	Incremental	active	Total downlink bytes dropped with traffic policing on SGW (part of SAEGW).	Increments when downlink byte is dropped with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-low_ip_prec	INT64	Incremental	active	Total downlink bytes marked for low IP precedence with traffic policing on SGW (part of SAEGW).	Increments when downlink byte is marked for low IP precedence with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-trafpol-dl-bytes-xmitted	INT64	Incremental	active	Total downlink bytes transmitted with traffic policing on SGW (part of SAEGW).	Increments when downlink byte is transmitted with traffic policing.	Per SAEGW Service	Standard
saegw	sgw-ddn-notifications-throttled	INT64	Incremental	active	Total number of DDNs throttled on SGW (part of SAEGW).	Increments when DDN message is throttled.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-bearer-not-in-same-state	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer not being in the same state on SGW (part of SAEGW).	Increments when EGTPC removes the bearer which is not in same state.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-bearer-not-in-correct-state	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer not being in the correct state on SGW (part of SAEGW).	Increments when EGTPC removes the bearer which is not in correct state.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-dup-data-teid	INT32	Incremental	active	The total number of EGTPC removals that occurred due to duplicate data tunnel endpoint identifiers on SGW (part of SAEGW).	Increments when EGTPC removes call due to the duplicate data tunnel endpoint indentifiers.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-remote-addr-not-compatible	INT32	Incremental	active	The total number of EGTPC removals that occurred due a remote address that was not compatible on SGW (part of SAEGW).	Increments when EGTPC removes the call due a remote address that was not compatible.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-bad-peer	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the a bad peer on SGW (part of SAEGW).	Increments when EGTPC removes the call due to bad peer.	Per SAEGW Service	Standard
saegw	sgw-lcl-cleanup-bearer-ctxt-missing	INT32	Incremental	active	The total number of EGTPC removals that occurred due to the cleanup bearer having a missing context on SGW (part of SAEGW).	Increments when EGTPC removes the call due to the bearer having missing context.	Per SAEGW Service	Standard
saegw	sgw-ntsr-peer-failure-pdn-retained	INT32	Incremental	active	The total number of PDNs retained for Network Triggered Service Restoration (NTSR) with a peer node failure on SGW (part of SAEGW).	Increments when PDN is retained for NTSR with a peer node failure.	Per SAEGW Service	Standard
saegw	sgw-ntsr-peer-failure-pdn-restored	INT32	Incremental	active	The total number of PDNs restored for Network Triggered Service Restoration (NTSR) with a peer node failure. PDN is restored after receiving Modify Bearer Request from alternate MME on SGW (part of SAEGW).	Increments when PDN is restored for NTSR with peer node restart after MBR from alternate MME/S4-SGSN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-ntsr-peer-failure-pdn-released	INT32	Incremental	active	The total number of PDNs released for Network Triggered Service Restoration (NTSR) with a peer node failure after NTSR session hold timer on SGW (part of SAEGW).	Increments when PDN is released after NTSR session hold timer with a peer node failure.	Per SAEGW Service	Standard
saegw	sgw-ntsr-peer-restart-pdn-retained	INT32	Incremental	active	The total number of PDNs retained for Network Triggered Service Restoration (NTSR) with a peer node restart on SGW (part of SAEGW).	Increments when PDN is retained for NTSR with a peer node restart.	Per SAEGW Service	Standard
saegw	sgw-ntsr-peer-restart-pdn-restored	INT32	Incremental	active	The total number of PDNs restored for Network Triggered Service Restoration (NTSR) with peer node restart. PDN is restored after receiving Modify Bearer Request from restarted MME/S4-SGSN on SGW (part of SAEGW).	Increments when PDN is restored for NTSR with peer node restart after MBR from restarted MME/S4-SGSN.	Per SAEGW Service	Standard
saegw	sgw-ntsr-peer-restart-pdn-released	INT32	Incremental	active	The total number of PDNs released for Network Triggered Service Restoration (NTSR) with a peer node failure after NTSR session hold timer on SGW (part of SAEGW).	Increments when PDN is released after NTSR session hold timer with a peer restart.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intramme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Intra MME in collocated calls.	Increments when a request is received to change eNodeB with the same S-GW and MME in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intramme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Intra MME in collocated calls	Increments when an eNodeB changes with the same S-GW and MME in collocated calls successfully.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intramme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Intra MME in collocated calls	Increments when a failure occurs in an eNodeB handover with the same S-GW and MME in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intermme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Inter MME in collocated calls	Increments when a request is received to change eNodeB and MME with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intermme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Inter MME in collocated calls	Increments when an eNodeB and MME changes with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intermme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Inter MME in collocated calls	Increments when a failure occurs in an eNodeB and MME handover with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intrasgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Intra SGSN in collocated calls	Increments when a request is received to change RNC with the same S-GW and SGSN in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intrasgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Intra SGSN in collocated calls	Increments when an RNC changes with the same S-GW and SGSN in collocated calls successfully.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intrasgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Intra SGSN in collocated calls	Increments when a failure occurs in an RNC handover with the same S-GW and SGSN in collocated calls.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-collocated-intrasgwhaovstat-intersgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Inter SGSN in collocated calls	Increments when a request is received to change SGSN with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intersgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Inter SGSN in collocated calls	Increments when an SGSN changes with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-intersgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Inter SGSN in collocated calls	Increments when a failure occurs in an SGSN handover with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-mme-to-sgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with MME to SGSN relocation in collocated calls	Increments when a request is received to change MME to SGSN with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-mme-to-sgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with MME to SGSN relocation in collocated calls	Increments when a MME changes to an SGSN with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-mme-to-sgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handover statistics with MME to SGSN relocation in collocated calls	Increments when a failure occurs in a MME to SGSN handover with the same S-GW in collocated call.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-sgsn-to-mme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with SGSN to MME relocation in collocated calls	Increments when a request is received to change SGSN to MME with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-sgsn-to-mme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with SGSN to MME relocation in collocated calls	Increments when a SGSN changes to an MME with the same S-GW in collocated calls.	Per SAEGW Service	Standard
saegw	sgw-collocated-intrasgwhaovstat-sgsn-to-mme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handover statistics with SGSN to MME relocation in collocated calls	Increments when a failure occurs in a SGSN to MME handover with the same S-GW in collocated call.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intramme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Intra MME in S-GW-anchored calls	Increments when a request is received to change eNodeB with the same S-GW and MME in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intramme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Intra MME in S-GW-anchored calls	Increments when an eNodeB changes with the same S-GW and MME in S-GW-anchored calls successfully.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intramme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handover statistics with Intra MME in S-GW-anchored calls	Increments when a failure occurs in an eNodeB handover with the same S-GW and MME in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intermme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Inter MME in S-GW-anchored calls	Increments when a request is received to change eNodeB and MME with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-anchor-intrasgwhaovstat-intermme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Inter MME in S-GW-anchored calls	Increments when an eNodeB and MME changes with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intermme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Inter MME in S-GW-anchored calls	Increments when a failure occurs in an eNodeB and MME handover with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intrasgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Intra SGSN in S-GW-anchored calls	Increments when a request is received to change RNC with the same S-GW and SGSN in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intrasgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Intra SGSN in S-GW-anchored calls	Increments when a RNC changes with the same S-GW and SGSN in S-GW-anchored calls successfully.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intrasgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Intra SGSN in S-GW-anchored calls	Increments when a failure occurs in an RNC handover with the same S-GW and SGSN in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intersgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with Inter SGSN in S-GW-anchored calls	Increments when a request is received to change SGSN with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intersgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with Inter SGSN in S-GW-anchored calls	Increments when a SGSN changes with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-intersgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handovers with Inter SGSN in S-GW-anchored calls	Increments when a failure occurs in an SGSN handover with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-mme-to-sgsn	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with MME to SGSN relocation in S-GW-anchored calls	Increments when a request is received to change MME to SGSN with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-mme-to-sgsn-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with MME to SGSN relocation in S-GW-anchored calls	Increments when a MME changes to an SGSN with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-mme-to-sgsn-fail	INT32	Incremental	active	Total number of failed Intra S-GW handover statistics with MME to SGSN relocation in S-GW-anchored calls	Increments when a failure occurs in a MME to SGSN handover with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-sgsn-to-mme	INT32	Incremental	active	Total number of attempts for Intra S-GW handovers with SGSN to MME relocation in S-GW-anchored calls	Increments when a request is received to change SGSN to MME with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-anchor-intrasgwhaovstat-sgsn-to-mme-success	INT32	Incremental	active	Total number of successful Intra S-GW handovers with SGSN to MME relocation in S-GW-anchored calls	Increments when a SGSN changes to an MME with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-intrasgwhaovstat-sgsn-to-mme-fail	INT32	Incremental	active	Total number of failed Intra S-GW handover statistics with SGSN to MME relocation in S-GW-anchored calls	Increments when a failure occurs in a SGSN to MME handover with the same S-GW in S-GW-anchored calls.	Per SAEGW Service	Standard
saegw	sgw-anchor-pdns-emps-current-active	INT32	Gauge	active	The total number of currently active SGW anchored eMPS PDNs.	Increments when any S-GW anchored PDN is setup as an eMPS PDN or upgrades to an eMPS PDN. Decrements when an eMPS S-GW anchored PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	sgw-anchor-pdns-emps-cumulative-activated	INT32	Incremental	active	The total number of SGW anchored PDNs that are either setup as an eMPS PDN or upgrades to an eMPS PDN.	Increments when any S-GW anchored PDN is setup as an eMPS PDN or upgrades to an eMPS PDN.	Per SAE-GW Service	Standard
saegw	sgw-anchor-pdns-emps-cumulative-deactivated	INT32	Incremental	active	The total number of SGW anchored PDNs that were either released or degrades to a non-eMPS PDN.	Increments when an eMPS S-GW anchored PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	sgw-anchor-pdns-dcnr-current-active	INT32	Gauge	active	The total number of currently active SGW anchored DCNR PDNs.	Increments when any S-GW anchored PDN is setup as a DCNR PDN. Decrements when an DCNR S-GW anchored PDN is released.	Per SAE-GW Service	Standard
saegw	sgw-anchor-pdns-dcnr-cumulative-activated	INT32	Incremental	active	The total number of SGW anchored PDNs that are either setup as a DCNR PDN.	Increments when any S-GW anchored PDN is setup as a DCNR PDN.	Per SAE-GW Service	Standard
saegw	sgw-anchor-pdns-dcnr-cumulative-deactivated	INT32	Incremental	active	The total number of SGW anchored DCNR PDNs that were either released.	Increments when an DCNR S-GW anchored PDN is released.	Per SAE-GW Service	Standard
saegw	pgw-sess-cur	INT32	Gauge	active	The total number of PGW anchored/GGSN anchored/Collapsed PDNs currently established on this system.	Increments when any IPv4/IPv6/IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN becomes active.	Per SAEGW Service	Standard
saegw	pgw-ue-active	INT32	Gauge	active	The total number of active Subscribers having a PGW anchored/GGSN anchored/Collapsed PDN.	Increments when any Subscriber with PGW anchored/GGSN anchored/Collapsed PDN becomes active.	Per SAEGW Service	Standard
saegw	pgw-ue-s6b-assume-positive	INT32	Incremental	active	The total number of active Subscribers having a PGW anchored/GGSN anchored/Collapsed PDN for which s6b is bypassed.	Increments when any Subscriber with PGW anchored/GGSN anchored/Collapsed PDN becomes active for which s6b is bypassed.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearact-def	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers active.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN default bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-def	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers active.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-auth-imsi-def	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers active with authenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with authenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-unauth-imsi-def	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers active with unauthenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with unauthenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-only-imei-def	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers active with only IMEI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with only IMEI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers active	Increments when any PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-ue-init-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN UE-initiated bearers active	Increments when any UE initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-nw-init-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network-initiated bearers active	Increments when any Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers active	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-auth-imsi-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers active with authenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with authenticated IMSI is created.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearact-emergency-unauth-imsi-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers active with unauthenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with unauthenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-emergency-only-imei-ded	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers active with only IMEI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with only IMEI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearact-nw-init-ded-att	INT32	Gauge	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network-initiated dedicated bearers attempted.	Increments when any Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers setup.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN default bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers setup.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-auth-imsi-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers setup with authenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with authenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-unauth-imsi-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers setup with unauthenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with unauthenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-only-imei-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency default bearers setup with only IMEI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer with only IMEI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers setup	Increments when any PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-ue-init-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN UE-initiated Dedicated bearers setup.	Increments when any UE initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearset-nw-init-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network-initiated Dedicated bearers setup.	Increments when any Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers setup.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-auth-imsi-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers setup with authenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with authenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-unauth-imsi-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers setup with unauthenticated IMSI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with unauthenticated IMSI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearset-emergency-only-imei-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearers setup with only IMEI.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer with only IMEI is created.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers released.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN default bearer is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released.	Increments when any PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdefadmin	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers released due to Admin disconnect.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is deleted due to admin disconnect.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdefgtp	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers released due to GTP-U error indication.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is deleted due to GTP-U error indication.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdefsgw	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers released due to S-GW Path failure.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is deleted due to S-GW Path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearrel-nwdefs4sgsn	INT32	Incremental	active	Total default PGW anchored/GGSN anchored/Collapsed PDN bearers released due to S4-SGSN initiated release.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is deleted due to S4-SGSN initiated release.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdefmme	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers released due to MME initiated release.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is deleted due to MME initiated release.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdedadmin	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to Admin disconnect.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to admin disconnect.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdedgtp	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to GTP-U error indication.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to GTP-U error indication.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdedmme	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to MME initiated release	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to MME initiated release.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdeddefbear	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to Default bearer release.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to default bearer release.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdedgxdisc	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to GX Disconnect.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to gx disconnect.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrel-nwdeds4sgsn	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN dedicated bearers released due to S4-SGSN initiated release.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is deleted due to S4-SGSN initiated release.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrelfail-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Default bearer release failures.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer release fails.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrelfail-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Dedicated bearer release failures.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer release fails.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearrej-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Default bearers rejected.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Dedicated bearers rejected.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is rejected.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-emergency-def	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Emergency default bearers rejected.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN emergency default bearer is rejected.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-emergency-ded	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Emergency dedicated bearers rejected.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN emergency dedicated bearer is rejected.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN bearers rejected with reason 'No Resource'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer is rejected with reason 'No Resources'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-uereq	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN UE initiated dedicated bearers rejected.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN UE initiated dedicated bearer rejection is triggered.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-uereq-nores	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN UE initiated dedicated bearers rejected with reason 'No Resource'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN UE initiated dedicated bearer rejection is triggered with reason 'No Resource'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-misapn	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Missing or unknown APN'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Missing or unknown APN'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nwreq	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network initiated dedicated bearers rejected.	Increments when a Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is rejected.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nwreq-nores	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network initiated dedicated bearers rejected with reason 'No Resource'.	Increments when a Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is rejected with reason 'No Resource'.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearrej-nwreq-nomem	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network initiated dedicated bearers rejected with reason 'No memory available'	Increments when a Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is rejected with reason 'No memory available'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nwreq-sysfail	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN Network initiated dedicated bearers rejected with reason 'System failure'.	Increments when a Network initiated PGW anchored/GGSN anchored/Collapsed PDN dedicated bearer is rejected with reason 'System failure'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-apnmode	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'APN selection-Mode mismatch'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'APN selection-Mode mismatch'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-pdn	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Preferred PDN-Type not supported'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Preferred PDN-Type not supported'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-apnrestr	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'APN restriction violation'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'APN restriction violation'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-subsauth	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN defatul bearers rejected with reason 'Subscriber auth failed'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Subscriber auth failed'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-subsaddrnotallow	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Subscriber's static address not allowed'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Subscriber's static address not allowed'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-subsaddrnotalloc	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Subscriber's static address not allocated'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Subscriber's static address not allocated'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-dynaddrnotalloc	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Dynamic address not allocated'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Dynamic address not allocated'.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearrej-subsaddrnotpres	INT32	Incremental	active	Total PGW anchored/GGSN anchored/Collapsed PDN default bearers rejected with reason 'Subscriber's static address not present'.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN default bearer is rejected with reason 'Subscriber's static address not present'.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-ueinit	INT32	Incremental	active	Total UE-initiated modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer modification is attempted due to UE initiated procedure.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-nwinit	INT32	Incremental	active	Total Network-initiated modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer modification is attempted due to network initiated procedure.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-ueqos	INT32	Incremental	active	Total UE-initiated quality of service (QoS) modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer UE-initiated QOS modification is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-uetft	INT32	Incremental	active	Total UE-initiated TFT modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer UE-initiated TFT modification is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-nwqos	INT32	Incremental	active	Total Network-initiated QoS modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer Network-initiated QOS modification is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmod-nwtft	INT32	Incremental	active	Total Network-initiated TFT modifications for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer Network-initiated TFT modification is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-ueinit	INT32	Incremental	active	Total UE-initiated modification failures for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer modification fails for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwinit	INT32	Incremental	active	Total Network-initiated bearer modification failures for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearmodfail-uenores	INT32	Incremental	active	Total UE-initiated modification failures with reason 'No resources available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer modification fails with reason 'No resources available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-uesemtft	INT32	Incremental	active	Total UE-initiated bearer modification failures with reason 'Semantic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer modification fails with reason 'Semantic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-uesyntft	INT32	Incremental	active	Total UE-initiated bearer modification failures with reason 'Syntactic error in TFT opertion' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Increments when a UE-initiated bearer modification fails with reason 'Syntactic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-uesempkt	INT32	Incremental	active	Total UE-initiated bearer modification failures with reason 'Semantic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer modification fails with reason 'Semantic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-uesynpkt	INT32	Incremental	active	Total UE-initiated bearer modification failures with reason 'Syntactic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer modification fails with reason 'Syntactic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwnores	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'No resources available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'No resources available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwnomem	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'No memory available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'No memory available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearmodfail-nwsysfail	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'System failure' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'System failure' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwsemtft	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'Semantic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'Semantic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwsyntft	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'Syntactic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'Syntactic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwsempkt	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'Semantic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'Semantic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-nwsynpkt	INT32	Incremental	active	Total Network-initiated bearer modification failures with reason 'Syntactic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification fails with reason 'Syntactic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-uenores	INT32	Incremental	active	Total UE-initiated bearer QoS modification failures with reason 'No resource available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer QOS modification fails with reason 'No resource available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-uesemtft	INT32	Incremental	active	Total UE-initiated bearer QoS modification failures with reason 'Semantic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer QOS modification fails with reason 'Semantic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearmodfail-qos-uesyntft	INT32	Incremental	active	Total UE-initiated bearer QoS modification failures with reason 'Syntactic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer QOS modification fails with reason 'Syntactic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-uesempkt	INT32	Incremental	active	Total UE-initiated bearer QoS modification failures with reason 'Semantic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer QOS modification fails with reason 'Semantic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-uesynpkt	INT32	Incremental	active	Total UE-initiated bearer QoS modification failures with reason 'Syntactic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a UE-initiated bearer QOS modification fails with reason 'Syntactic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwnores	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'No resources available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'No resources available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwnomem	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'No memory available' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'No memory available' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwsysfail	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'System failure' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'System failure' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwsemtft	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'Semantic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'Semantic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearmodfail-qos-nwsyntft	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'Syntactic error in TFT operation' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'Syntactic error in TFT operation' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwsempkt	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'Semantic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'Semantic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearmodfail-qos-nwsynpkt	INT32	Incremental	active	Total Network-initiated bearer QoS modification failures with reason 'Syntactic error in packet filter' for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification fails with reason 'Syntactic error in packet filter' for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-beardel	INT32	Incremental	active	Total bearer deletion attempts for P-GW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN bearer deletion is attempted.	Per SAEGW Service	Standard
saegw	pgw-sessstat-nw-init-qos-update-att	INT32	Incremental	active	Total Network-initiated bearer QoS modification attempts for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer QOS modification is attempted, for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-nw-init-no-qos-update-att	INT32	Incremental	active	Total Network-initiated bearer modification attempts without QoS information, for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer modification is attempted without QoS information, for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-nw-init-bearer-fail-cause	INT32	Incremental	active	Total Network-initiated bearer release failures for PGW anchored/GGSN anchored/Collapsed PDN bearers.	Increments when a Network-initiated bearer release fails, for a PGW anchored/GGSN anchored/Collapsed PDN bearer.	Per SAEGW Service	Standard
saegw	pgw-sessstat-ipv4v6-pdn-daf-false-recv	INT32	Incremental	active	Total number of Create Session Requests/Create PDP Requests received with PDN Type IPv4v6 and DAF as False, for PGW anchored/GGSN anchored/Collapsed PDNs.	Increments when PDN request is received with PDN Type IPv4v6 and DAF as False, for PGW anchored/GGSN anchored/Collapsed PDNs.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sesstat-pdn-rat-eutran	INT32	Gauge	active	Total number of 4G PDNs (PGW anchored/Collapsed PDN) with RAT Type E-UTRAN.	Increments when eutran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when eutran PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sesstat-pdn-rat-utran	INT32	Gauge	active	Total number of 3G PDNs (PGW anchored/GGSN anchored/Collapsed PDN) with RAT Type UTRAN.	Increments when utran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when utran PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sesstat-pdn-rat-geran	INT32	Gauge	active	Total number of 2G PDNs (PGW anchored/GGSN anchored/Collapsed PDN) with RAT Type GERAN.	Increments when geran PDN comes up during new pdn connection establishment or due to any handoff. Decrements when geran PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sesstat-pdn-rat-wlan	INT32	Gauge	active	Total number of WLAN PDNs (PGW anchored/GGSN anchored/Collapsed PDN) with RAT Type WLAN.	Increments when wlan PDN comes up during new pdn connection establishment or due to any handoff. Decrements when wlan PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sesstat-pdn-rat-nb-iot	INT32	Gauge	active	Total number of NB-IoT PDNs (PGW anchored/Collapsed PDN) with RAT Type NB-IoT.	Increments when NB-IoT PDN comes up during new pdn connection establishment. Decrements when NB-IoT PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sesstat-pdn-rat-other	INT32	Gauge	active	Total number of PDNs (PGW anchored/GGSN anchored/Collapsed PDN) with RAT Type other than eUTRAN, UTRAN, GERAN and WLAN.	Increments when eHRPD or any other PDN apart from EUTRAN, UTRAN, GERAN or WLAN comes up during new pdn connection establishment or due to any handoff. Decrements when PDN goes down.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-rat-init-eutran	INT32	Incremental	active	Number of initiated EUTRAN PDNs	Incremented when new PDN request is received for RAT Type EUTRAN	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-rat-init-utran	INT32	Incremental	active	Number of initiated UTRAN PDNs	Incremented when new PDN request is received for RAT Type UTRAN	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-rat-init-geran	INT32	Incremental	active	Number of initiated GERAN PDNs	Incremented when new PDN request is received for RAT Type GERAN	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-rat-init-s2a-gtp	INT32	Incremental	active	Number of initiated S2a GTP PDNs (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2a GTP	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-rat-init-nb-iot-gtp	INT32	Incremental	active	Number of initiated NB-IoT PDNs	Incremented when new PDN request is received for RAT Type NB-IoT	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-pdn-rat-init-s2b-gtp	INT32	Incremental	active	Number of initiated S2b GTP PDNs (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2b GTP	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv4active	INT32	Gauge	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4 Active	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4 is activated. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4 is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv4setup	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4 Setup	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4 is setup.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv4rel	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4 Released	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4 is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv6active	INT32	Gauge	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv6 Active	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv6 is activated. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv6 is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv6setup	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv6 Setup	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv6 is setup.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv6rel	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv6 Released	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv6 is released.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv4v6active	INT32	Gauge	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4v6 Active	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4v6 is activated. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4v6 is released.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-pdn-ipv4v6setup	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4v6 Setup	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4v6 is setup.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pdn-ipv4v6rel	INT32	Incremental	active	P-GW Session Statistics: Total PDN-Type Statistics - IPv4v6 Released	Increments when a PGW anchored/GGSN anchored/Collapsed PDN with PDN-Type IPv4v6 is released.	Per SAEGW Service	Standard
saegw	pgw-anchor-pdns-emps-current-active	INT32	Gauge	active	The total number of currently active PGW anchored eMPS PDNs.	Increments when any PGW anchored PDN is setup as an eMPS PDN or upgrades to an eMPS PDN. Decrements when an eMPS PGW anchored PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	pgw-anchor-pdns-emps-cumulative-activated	INT32	Incremental	active	The total number of PGW anchored PDNs that are either setup as an eMPS PDN or upgrades to an eMPS PDN.	Increments when any PGW anchored PDN is setup as an eMPS PDN or upgrades to an eMPS PDN.	Per SAE-GW Service	Standard
saegw	pgw-anchor-pdns-emps-cumulative-deactivated	INT32	Incremental	active	The total number of PGW anchored PDNs that were either released or degrades to a non-eMPS PDN.	Increments when an eMPS PGW anchored PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	saegw-colocated-pdns-emps-current-active	INT32	Gauge	active	The total number of currently active SAEGW collapsed eMPS PDNs.	Increments when any Collapsed PDN is setup as an eMPS PDN or upgrades to an eMPS PDN. Decrements when an eMPS Collapsed PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	saegw-colocated-pdns-emps-cumulative-activated	INT32	Incremental	active	The total number of SAEGW collapsed PDNs that are either setup as an eMPS PDN or upgrades to an eMPS PDN.	Increments when any Collapsed PDN is setup as an eMPS PDN or upgrades to an eMPS PDN.	Per SAE-GW Service	Standard
saegw	saegw-colocated-pdns-emps-cumulative-deactivated	INT32	Incremental	active	The total number of SAEGW collapsed PDNs that were either released or degrades to a non-eMPS PDN.	Increments when an eMPS Collapsed PDN is released or when it degrades to a non-eMPS PDN.	Per SAE-GW Service	Standard
saegw	pgw-anchor-pdns-dcnr-current-active	INT32	Gauge	active	The total number of currently active PGW anchored DCNR PDNs.	Increments when any PGW anchored PDN is setup as DCNR PDN. Decrements when DCNR PGW anchored PDN is released.	Per SAE-GW Service	Standard
saegw	pgw-anchor-pdns-dcnr-cumulative-activated	INT32	Incremental	active	The total number of PGW anchored PDNs that are setup as DCNR PDN.	Increments when any PGW anchored PDN is setup as DCNR PDN.	Per SAE-GW Service	Standard
saegw	pgw-anchor-pdns-dcnr-cumulative-deactivated	INT32	Incremental	active	The total number of PGW anchored PDNs that were either released or degrades to a non-DNCR PDN.	Increments when an DCNR PGW anchored PDN is released.	Per SAE-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-collocated-pdns-dcnr-current-active	INT32	Gauge	active	The total number of currently active SAEGW collapsed DCNR PDNs.	Increments when any Collapsed PDN is setup as a DCNR PDN. Decrements when a DCNR Collapsed PDN is released.	Per SAE-GW Service	Standard
saegw	saegw-collocated-pdns-dcnr-cumulative-activated	INT32	Incremental	active	The total number of SAEGW collapsed PDNs that are setup as a DCNR PDN.	Increments when any Collapsed PDN is setup as a DCNR PDN.	Per SAE-GW Service	Standard
saegw	saegw-collocated-pdns-dcnr-cumulative-deactivated	INT32	Incremental	active	The total number of SAEGW collapsed DCNR PDNs were released.	Increments when a DCNR Collapsed PDN is released.	Per SAE-GW Service	Standard
saegw	pgw-pdns-restore-priority-1	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 1.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 1. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 1.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-2	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 2.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 2. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 2.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-3	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 3.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 3. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 3.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-4	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 4.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 4. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 4.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-pdns-restore-priority-5	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 5.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 5. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 5.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-6	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 6.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 6. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 6.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-7	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 7.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 7. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 7.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-8	INT32	Gauge	active	The current number of PGW anchored/GGSN anchored/Collapsed PDN with Restoration-Priority-Level 8.	Increments when a PGW anchored/GGSN anchored/Collapsed PDN is established with Restoration-Priority-Level 8. Decrements when a PGW anchored/GGSN anchored/Collapsed PDN is released with Restoration-Priority-Level 8.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-9	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 9.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 9. Decrements when a P-GW anchored/collapsed PDN connection is released with Restoration-Priority-Level 9.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-pdns-restore-priority-10	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 10.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 10. Decrements when a P-GW anchored/collapsed PDN connection is released with Restoration-Priority-Level 10.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-11	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 11.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 11. Decrements when a P-GW anchored/collapsed PDN connection is released with Restoration-Priority-Level 11.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-12	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 12.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 12. Decrements when a P-GW anchored/collapsed PDN connection is released with Restoration-Priority-Level 12.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-13	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 13.	Increments when a P-GW anchored/collapsed PDN is established with Restoration-Priority-Level 13. Decrements when a P-GW anchored/collapsed PDN connection is released with Restoration-Priority-Level 13.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-14	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 14.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 14. Decrements when a P-GW anchored/collapsed PDN connection is released or with Restoration-Priority-Level 14.	Per SAEGW Service	Standard
saegw	pgw-pdns-restore-priority-15	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 15.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 15. Decrements when a P-GW anchored/collapsed PDN connection is released or with Restoration-Priority-Level 15.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-pdns-restore-priority-16	INT32	Gauge	active	The current number of P-GW anchored/collapsed PDN connections with Restoration-Priority-Level 16.	Increments when a P-GW anchored/collapsed PDN connection is established with Restoration-Priority-Level 16. Decrements when a P-GW anchored/collapsed PDN connection is released or with Restoration-Priority-Level 16.	Per SAEGW Service	Standard
saegw	pgw-sessstat-ipv4addaloc	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - Total IPv4 address allocated	Increments when IPv4 address is allocated, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sessstat-ipaddaloc-ipv4loacalpool	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - IPv4 Local pool address assigned	Increments when IPv4 address is allocated from local pool, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service.	Standard
saegw	pgw-sessstat-ipaddaloc-ipv4staticaddr	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - IPv4 Static address assigned	Increments when static IPv4 address is allocated, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service.	Standard
saegw	pgw-sessstat-ipaddaloc-ipv4radaddr	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - IPv4 Radius provided address assigned	Increments when Radius provided IPv4 address is allocated, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sessstat-ipv6addaloc	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - Total IPv6 address allocated	Increments when IPv6 address is allocated, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sessstat-ipaddaloc-ipv6auto	INT32	Incremental	active	P-GW Session Statistics: IP address allocation Statistics - IPv6 Stateless auto configuration address assigned	Increments when IPv6 address is allocated from stateless auto configuration, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service.	Standard
saegw	pgw-subplmnstat-homesubact	INT32	Gauge	active	P-GW Subscriber PLMN Statistics: Home subscribers sessions active	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is activated for Home subscriber. Decrements when PGW anchored/GGSN anchored/Collapsed PDN session is released for Home subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-homesubsetup	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Home subscribers sessions setup	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is setup for Home subscriber.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subplmnstat-homesubrel	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Home subscribers sessions released	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is released for Home subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-roamsubact	INT32	Gauge	active	P-GW Subscriber PLMN Statistics: Roaming subscribers sessions active	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is activated for Roaming subscriber. Decrements when PGW anchored/GGSN anchored/Collapsed PDN session is released for Roaming subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-roamsubsetup	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Roaming subscribers sessions setup	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is setup for Roaming subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-roamsubrel	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Roaming subscribers sessions released	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is released for Roaming subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-visitsubact	INT32	Gauge	active	P-GW Subscriber PLMN Statistics: Visiting subscribers sessions active	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is activated for Visiting subscriber. Decrements when PGW anchored/GGSN anchored/Collapsed PDN session is released for Visiting subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-visitsubsetup	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Visiting subscribers sessions setup	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is setup for Visiting subscriber.	Per SAEGW Service	Standard
saegw	pgw-subplmnstat-visitsubrel	INT32	Incremental	active	P-GW Subscriber PLMN Statistics: Visiting subscribers sessions released	Increments when PGW anchored/GGSN anchored/Collapsed PDN session is released for Visiting subscriber.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv4sessact	INT32	Gauge	active	P-GW SGi Tunneling Statistics: IPv4 IP-in-IP tunnel sessions active	Increments when IPv4 IP-in-IP SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when IPv4 IP-in-IP SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sgitunstat-ipv4sesssetup	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv4 IP-in-IP tunnel sessions setup	Increments when IPv4 IP-in-IP SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv4sessrel	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv4 IP-in-IP tunnel sessions released	Increments when IPv4 IP-in-IP SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv4gresessact	INT32	Gauge	active	P-GW SGi Tunneling Statistics: IPv4 GRE tunnel sessions active	Increments when IPv4 GRE SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when IPv4 GRE SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv4gresesssetup	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv4 GRE tunnel sessions setup	Increments when IPv4 GRE SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv4gresessrel	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv4 GRE tunnel sessions released	Increments when IPv4 GRE SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv6sessact	INT32	Gauge	active	P-GW SGi Tunneling Statistics: IPv6 6to4 tunnel sessions active	Increments when IPv6 SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when IPv6 SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv6sesssetup	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv6 6to4 tunnel sessions setup	Increments when IPv6 SGi tunnel is setup, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-sgitunstat-ipv6sessrel	INT32	Incremental	active	P-GW SGi Tunneling Statistics: IPv6 6to4 tunnel sessions released	Increments when IPv6 SGi tunnel is released, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-intersgsnatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of attempted GGSN anchored inter-SGSN handovers.	Increments when inter-SGSN handover is attempted, for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-intersgsnsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of successful GGSN anchored inter-SGSN handovers.	Increments when inter-SGSN handover succeeds, for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-intersgsnfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed GGSN anchored inter-SGSN handovers.	Increments when inter-SGSN handover fails, for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-intersgwatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of attempted PGW anchored inter-S-GW handovers.	Increments when inter-SGW handover is attempted, for a PGW anchored PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-anchor-handoverstat-intersgwsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of succesful PGW anchored inter-S-GW handovers.	Increments when inter-SGW handover succeeds, for a PGW anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-intersgwfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed PGW anchored inter-S-GW handovers.	Increments when, for a PGW anchored PDN, inter-SGW handover fails	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-gngptolteatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of attempted PGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover is attempted, for a PGW anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-gngptoltesucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of succesful PGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover succeeds, for a PGW anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-gngptoltefail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed PGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover fails, for a PGW anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-ltetogngpatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of attempted GGSN anchored LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover is attempted for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-ltetogngpsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of succesful GGSN anchored LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover succeeds, for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	pgw-anchor-handoverstat-ltetogngpfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed GGSN anchored LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover fails, for a GGSN anchored PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgsnatt	INT32	Incremental	active	Total number of attempted SAEGW colocated inter-SGSN handovers	Increments when inter-SGSN handover is attempted, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgsnsucc	INT32	Incremental	active	Total number of succesful SAEGW colocated inter-SGSN handovers	Increments when inter-SGSN handover succeeds, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgsnfail	INT32	Incremental	active	Total number of failed SAEGW colocated inter-SGSN handovers	Increments when inter-SGSN handover fails, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgwatt	INT32	Incremental	active	Total number of attempted SAEGW colocated inter-SGW handovers	Increments when inter-SGW handover is attempted, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgwsucc	INT32	Incremental	active	Total number of succesful SAEGW colocated inter-SGW handovers	Increments when inter-SGW handover succeeds, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-intersgwfail	INT32	Incremental	active	Total number of failed SAEGW colocated inter-SGW handovers	Increments when inter-SGW handover fails, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-gngptolteatt	INT32	Incremental	active	Total number of attempted SAEGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover is attempted, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-gngptoltesucc	INT32	Incremental	active	Total number of succesful SAEGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover succeeds, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-gngptoltefail	INT32	Incremental	active	Total number of SAEGW anchored Gn/Gp to LTE handovers.	Increments when Gn/Gp to LTE handover fails, for a SAEGW colocated PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-colocate-handoverstat-ltetogngpatt	INT32	Incremental	active	Total number of attempted SAEGW colocated LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover attempted, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-ltetogngpsucc	INT32	Incremental	active	Total number of succesful SAEGW colocated LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover succeeds, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	saegw-colocate-handoverstat-ltetogngpfail	INT32	Incremental	active	Total number of failed SAEGW colocated LTE to Gn/Gp handovers.	Increments when LTE to Gn/Gp handover fails, for a SAEGW colocated PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgsnatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of inter-SGSN handover attempts	Increments when inter-SGSN handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgsnsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of successful inter-SGSN handovers	Increments when inter-SGSN handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgsnfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed inter-SGSN handovers	Increments when inter-SGSN handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgwatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of inter-S-GW handover attempts	Increments when inter-SGW handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgwsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of successful inter-S-GW handovers	Increments when inter-SGW handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-intersgwfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed inter-S-GW handovers	Increments when inter-SGW handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-interhsgwatt	INT32	Incremental	active	P-GW Handover Statistics: Total number of inter-HSGW handover attempts	Increments when inter-HSGW handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-interhsgwsucc	INT32	Incremental	active	P-GW Handover Statistics: Total number of successful inter-HSGW handovers	Increments when inter-HSGW handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-interhsgwfail	INT32	Incremental	active	P-GW Handover Statistics: Total number of failed inter-HSGW handovers	Increments when inter-HSGW handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-gngptolteatt	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to LTE attempted handovers	Increments when Gn/Gp to LTE handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-handoverstat-gngptoltesucc	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to LTE successful handovers	Increments when Gn/Gp to LTE handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-gngptoltefail	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to LTE failed handovers	Increments when Gn/Gp to LTE handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetogngpatt	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to Gn/Gp attempted handovers	Increments when LTE to Gn/Gp handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetogngpsucc	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to Gn/Gp successful handovers	Increments when LTE to GNGP handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetogngpfail	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to Gn/Gp failed handovers	Increments when LTE to GNGP handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos4sgsnatt	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to S4-SGSN attempted handovers	Increments when LTE to S4-SGSN handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos4sgsnsucc	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to S4-SGSN successful handovers	Increments when LTE to S4-SGSN handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos4sgsnfail	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to S4-SGSN failed handovers	Increments when LTE to S4-SGSN handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntolteatt	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to LTE attempted handovers	Increments when S4-SGSN to LTE handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntoltesucc	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to LTE successful handovers	Increments when S4-SGSN to LTE handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntoltefail	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to LTE failed handovers	Increments when S4-SGSN to LTE handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-gngptos4sgsnatt	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to S4-SGSN attempted handovers	Increments when GNGP to S4-SGSN handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-handoverstat-gngptos4sgsnsucc	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to S4-SGSN successful handovers	Increments when GNGP to S4-SGSN handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-gngptos4sgsnfail	INT32	Incremental	active	P-GW Handover Statistics: Number of Gn/Gp to S4-SGSN failed handovers	Increments when GNGP to S4-SGSN handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntogngpatt	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to Gn/Gp attempted handovers	Increments when S4-SGSN to GNGP handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntogngpsucc	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to Gn/Gp successful handovers	Increments when S4-SGSN to GNGP handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntogngpfail	INT32	Incremental	active	P-GW Handover Statistics: Number of S4-SGSN to Gn/Gp failed handovers	Increments when S4-SGSN to GNGP handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetoehrpdatt	INT32	Incremental	active	P-GW Handover Statistics:Number of LTE to eHPRD attempted handovers	Increments when LTE to eHRPD handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetoehrpdsucc	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to eHPRD successful handovers	Increments when LTE to eHRPD handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetoehrpdfail	INT32	Incremental	active	P-GW Handover Statistics: Number of LTE to eHRPD failed handovers	Increments when LTE to eHRPD handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ehrpdtolteatt	INT32	Incremental	active	P-GW Handover Statistics: Number of eHPRD to LTE attempted handovers	Increments when eHRPD to LTE handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ehrpdtoltesucc	INT32	Incremental	active	P-GW Handover Statistics: Number of eHPRD to LTE successful handovers	Increments when eHRPD to LTE handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ehrpdtoltefail	INT32	Incremental	active	P-GW Handover Statistics: Number of eHPRD to LTE failed handovers.	Increments when eHRPD to LTE handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2bgtptolteatt	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2b-to-LTE attempted handover	Increments when GTP S2b to LTE handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-handoverstat-s2bgtptoltesucc	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2b-to-LTE successful handover	Increments when GTP S2b to LTE handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2bgtptoltefail	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2b-to-LTE failed handover	Increments when GTP S2b to LTE handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2bgtpatt	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2b attempted handover	Increments when LTE to GTP S2b handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2bgtpsucc	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2b successful handover	Increments when LTE to GTP S2b handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2bgtpfail	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2b failed handover	Increments when LTE to GTP S2b handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptolteatt	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2a-to-LTE attempted handover	Increments when GTP S2a to LTE handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptoltesucc	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2a-to-LTE successful handover	Increments when GTP S2a to LTE handover is succeeced, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptoltefail	INT32	Incremental	active	P-GW Handover Statistics - Number of GTP S2a-to-LTE failed handover	Increments when GTP S2a to LTE handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2agtpatt	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2a attempted handover	Increments when LTE to GTP S2a handover is attempted, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2agtpsucc	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2a successful handover	Increments when LTE to GTP S2a handover is succeeded, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2agtpfail	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2a failed handover	Increments when LTE to GTP S2a handover is failed, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntos2agtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp attempted	On attempted handoff from s4sgsn to s2agtp	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntos2agtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp successful	On successful handoff from s4sgsn to s2agtp	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-handoverstat-s4sgsntos2agtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp failed	On unsuccessful handoff from s4sgsn to s2agtp	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn attempted	On attempted handoff from s2agtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn successful	On successful handoff from s2agtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2agtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn failed	On unsuccessful handoff from s2agtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntos2bgtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp attempted	On attempted handoff from s4sgsn to s2bgtp	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntos2bgtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp successful	On successful handoff from s4sgsn to s2bgtp	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s4sgsntos2bgtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp failed	On unsuccessful handoff from s4sgsn to s2bgtp	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2bgtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn attempted	On attempted handoff from s2bgtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2bgtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn successful	On successful handoff from s2bgtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-handoverstat-s2bgtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn failed	On unsuccessful handoff from s2bgtp to s4sgsn	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci1	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 1	Increments when bearer with QCI 1 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 1 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci2	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 2	Increments when bearer with QCI 2 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 2 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci3	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 3	Increments when bearer with QCI 3 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 3 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci4	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 4	Increments when bearer with QCI 4 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 4 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subqosstat-bearact-qci5	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 5	Increments when bearer with QCI 5 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 5 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci6	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 6	Increments when bearer with QCI 6 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 6 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci7	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 7	Increments when bearer with QCI 7 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 7 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci8	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 8	Increments when bearer with QCI 8 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 8 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci9	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - QCI 9	Increments when bearer with QCI 9 become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when bearer with QCI 9 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci65	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 65 become active for a P-GW PDN. Decrements when a bearer with QCI 65 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci66	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 66 become active for a P-GW PDN. Decrements when a bearer with QCI 66 is released for a P-GW PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subqosstat-bearact-qci69	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 69 become active for a P-GW PDN. Decrements when a bearer with QCI 69 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci70	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 70 become active for a P-GW PDN. Decrements when a bearer with QCI 70 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qcinongbr	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - Non-Standard QCI (Non-GBR)	Increments when Non-GBR bearer with Non-Standard QCI become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when Non-GBR bearer with Non-Standard QCI is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qcigbr	INT32	Gauge	active	P-GW Subscriber QoS Statistics: Total bearers active - Non-Standard QCI (GBR)	Increments when GBR bearer with Non-Standard QCI become active for PGW anchored/GGSN anchored/Collapsed PDN. Decrements when GBR bearer with Non-Standard QCI is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci1	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 1	Increments when bearer with QCI 1 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci2	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 2	Increments when bearer with QCI 2 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci3	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 3	Increments when bearer with QCI 3 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci4	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 4	Increments when bearer with QCI 4 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci5	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 5	Increments when bearer with QCI 5 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subqosstat-bearset-qci6	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 6	Increments when bearer with QCI 6 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci7	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 7	Increments when bearer with QCI 7 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci8	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 8	Increments when bearer with QCI 8 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci9	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - QCI 9	Increments when bearer with QCI 9 is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci65	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 65 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci66	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 66 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci69	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 69 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci70	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 70 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qcinongbr	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - Non-Standard QCI (Non-GBR)	Increments when Non-GBR bearer with Non-Standard QCI is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qcigbr	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers setup - Non-Standard QCI (GBR)	Increments when GBR bearer with Non-Standard QCI is setup for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci1	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 1	Increments when bearer with QCI 1 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci2	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 2	Increments when bearer with QCI 2 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci3	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 3	Increments when bearer with QCI 3 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci4	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 4	Increments when bearer with QCI 4 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subqosstat-bearrel-qci5	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 5	Increments when bearer with QCI 5 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci6	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 6	Increments when bearer with QCI 6 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci7	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 7	Increments when bearer with QCI 7 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci8	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 8	Increments when bearer with QCI 8 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci9	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - QCI 9	Increments when bearer with QCI 9 is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci65	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 65 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci66	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 66 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci69	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 69 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci70	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 70 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qcinongbr	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - Non-Standard QCI (Non-GBR)	Increments when Non-GBR bearer with Non-Standard QCI is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qcigbr	INT32	Incremental	active	P-GW Subscriber QoS Statistics: Total bearers released - Non-Standard QCI (GBR)	Increments when GBR bearer with Non-Standard QCI is released for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulpktfwd	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded	Increments when uplink data packet is forwarded for any PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci1	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - QCI 1	Increments when uplink data packet of bearer with QCI 1 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktfwd-qci2	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - QCI 2	Increments when uplink data packet of bearer with QCI 2 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci3	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 3	Increments when uplink data packet of bearer with QCI 3 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci4	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 4	Increments when uplink data packet of bearer with QCI 4 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci5	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 5	Increments when uplink data packet of bearer with QCI 5 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci6	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 6	Increments when uplink data packet of bearer with QCI 6 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci7	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 7	Increments when uplink data packet of bearer with QCI 7 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci8	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 8	Increments when uplink data packet of bearer with QCI 8 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci9	INT32	Incremental	active	P-GW Subscriber Data Statistics:Total Uplink packets forwarded - QCI 9	Increments when uplink data packet of bearer with QCI 9 is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 65 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 66 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 69 is forwarded for a P-GW PDN	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktfwd-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 70 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-stdqcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Standard QCI (Non-GBR)	Increments when uplink data packet of Non-GBR bearer with Standard QCI is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-stdqcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Standard QCI (GBR)	Increments when uplink data packet of GBR bearer with Standard QCI is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Non-Standard QCI (Non-GBR)	Increments when uplink data packet of Non-GBR bearer with Non-Standard QCI is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Non-Standard QCI (GBR)	Increments when uplink data packet of GBR bearer with Non-Standard QCI is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-totgbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Total GBR	Increments when uplink data packet of GBR bearer is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-totnongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets forwarded - Total Non-GBR	Increments when uplink data packet of Non-GBR bearer is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulbytefwd	INT64	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink bytes forwarded	Increments by number of byte when uplink data packet is forwarded for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci1	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 1	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 1 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytefwd-qci2	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 2	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 2 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci3	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 3	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 3 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci4	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 4	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 4 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci5	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 5	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 5 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci6	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 6	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 6 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci7	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 7	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 7 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci8	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 8	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 8 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytefwd-qci9	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - QCI 9	Increments by the number of bytes in packet when the uplink data packet is forwarded for a QCI 9 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 65 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 66 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 69 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 70 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-stdqcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Standard QCI (Non-GBR)	Increments by bytes in packet when uplink data packet is forwarded for standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-stdqcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Standard QCI (GBR)	Increments by bytes in packet when uplink data packet is forwarded for standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service.	Standard
saegw	pgw-subdatastat-ulbytefwd-qcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Non-Standard QCI (Non-GBR)	Increments by bytes in packet when uplink data packet is forwarded for Non-standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Non-Standard QCI (GBR)	Increments by bytes in packet when uplink data packet is forwarded for Non-standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytefwd-totgbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Total GBR	Increments by bytes in packet when uplink data packet is forwarded for GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-totnongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes forwarded - Total NON-GBR	Increments by bytes in packet when uplink data packet is forwarded for Non-GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlpktfwd	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Downlink packets forwarded	Increments when downlink data packet is forwarded for a PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci1	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 1	Increments when downlink data packet is forwarded for a QCI 1 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci2	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 2	Increments when downlink data packet is forwarded for a QCI 2 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci3	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 3	Increments when downlink data packet is forwarded for a QCI 3 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci4	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 4	Increments when downlink data packet is forwarded for a QCI 4 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci5	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 5	Increments when downlink data packet is forwarded for a QCI 5 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci6	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 6	Increments when downlink data packet is forwarded for a QCI 6 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci7	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 7	Increments when downlink data packet is forwarded for a QCI 7 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktfwd-qci8	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 8	Increments when downlink data packet is forwarded for a QCI 8 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci9	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - QCI 9	Increments when downlink data packet is forwarded for a QCI 9 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 65 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 66 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 69 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 70 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-stdqcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Standard QCI (Non-GBR)	Increments when downlink data packet is forwarded for standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-stdqcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Standard QCI (GBR)	Increments when downlink data packet is forwarded for standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Non-Standard QCI (Non-GBR)	Increments when downlink data packet is forwarded for Non-standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Non-Standard QCI (GBR)	Increments when downlink data packet is forwarded for Non-standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-totgbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Total GBR	Increments when downlink data packet is forwarded for GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktfwd-totnongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets forwarded - Total Non-GBR	Increments when downlink data packet is forwarded for Non-GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlbytefwd	INT64	Incremental	active	P-GW Subscriber Data Statistics: Total Downlink bytes forwarded	Increments by bytes in packet when downlink data packet is forwarded for a PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci1	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 1	Increments by bytes in packet when downlink data packet is forwarded for QCI-1 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci2	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 2	Increments by bytes in packet when downlink data packet is forwarded for QCI-2 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci3	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 3	Increments by bytes in packet when downlink data packet is forwarded for QCI-3 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci4	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 4	Increments by bytes in packet when downlink data packet is forwarded for QCI-4 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci5	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 5	Increments by bytes in packet when downlink data packet is forwarded for QCI-5 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci6	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 6	Increments by bytes in packet when downlink data packet is forwarded for QCI-6 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci7	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 7	Increments by bytes in packet when downlink data packet is forwarded for QCI-7 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytefwd-qci8	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 8	Increments by bytes in packet when downlink data packet is forwarded for QCI-8 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci9	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - QCI 9	Increments by bytes in packet when downlink data packet is forwarded for QCI-9 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-65 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-66 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-69 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-70 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-stdqcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Standard QCI (Non-GBR)	Increments by bytes in packet when downlink data packet is forwarded for standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-stdqcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Standard QCI (GBR)	Increments by bytes in packet when downlink data packet is forwarded for standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Non-Standard QCI (Non-GBR)	Increments by bytes in packet when downlink data packet is forwarded for Non-standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytefwd-qcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Non-Standard QCI (GBR)	Increments by bytes in packet when downlink data packet is forwarded for Non-standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-totgbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Total GBR	Increments by bytes in packet when downlink data packet is forwarded for GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-totnongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes forwarded - Total Non-GBR	Increments by bytes in packet when downlink data packet is forwarded for Non-GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulpktdrop	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink packets dropped	Increments when uplink data packet is dropped for a PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci1	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 1	Increments when uplink data packet is dropped for a QCI-1 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci2	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 2	Increments when uplink data packet is dropped for a QCI-2 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci3	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 3	Increments when uplink data packet is dropped for a QCI-3 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci4	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 4	Increments when uplink data packet is dropped for a QCI-4 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci5	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 5	Increments when uplink data packet is dropped for a QCI-5 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci6	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 6	Increments when uplink data packet is dropped for a QCI-6 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktdrop-qci7	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 7	Increments when uplink data packet is dropped for a QCI-7 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci8	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 8	Increments when uplink data packet is dropped for a QCI-8 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci9	INT32	Incremental	active	P-GW Subscriber Data Statistics:Uplink packets dropped - QCI 9	Increments when uplink data packet is dropped for a QCI-9 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 65 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 66 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 69 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 70 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-stdqcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Standard QCI (Non-GBR)	Increments when uplink data packet is dropped for a standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-stdqcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Standard QCI (GBR)	Increments when uplink data packet is dropped for a standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Non-Standard QCI (Non-GBR)	Increments when uplink data packet is dropped for a Non-standard QCI (Non-GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Non-Standard QCI (GBR)	Increments when uplink data packet is dropped for a Non-standard QCI (GBR) bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktdrop-totgbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Total GBR	Increments when uplink data packet is dropped for a GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-totnongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Uplink packets dropped - Total Non-GBR	Increments when uplink data packet is dropped for a Non-GBR bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulbytedrop	INT64	Incremental	active	P-GW Subscriber Data Statistics: Total Uplink bytes dropped	Increments by number of bytes in packet when uplink data packet is dropped for a PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci1	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 1	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-1 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci2	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 2	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-2 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci3	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 3	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-3 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci4	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 4	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-4 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci5	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 5	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-5 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci6	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 6	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-6 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedrop-qci7	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 7	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-7 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci8	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 8	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-8 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci9	INT64	Incremental	active	P-GW Subscriber Data Statistics: Uplink bytes dropped - QCI 9	Increments by number of bytes in packet when the uplink data packet is dropped for a QCI-9 bearer of PGW anchored/GGSN anchored/Collapsed PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 65 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 66 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 69 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 70 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-stdqcinongbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR)	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-stdqcigbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR)	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN Std QCI (GBR) bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedrop-qcinongbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR)	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qcigbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR)	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-totgbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Total GBR	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-totnongbr	INT64	Incremental	active	Total number of uplink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Total Non-GBR	Increments by number of bytes in packet when uplink data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlpktdrop	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci1	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 1	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci2	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 2	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci3	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 3	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI3 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci4	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 4	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci5	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 5	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI5 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktdrop-qci6	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 6	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI6 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci7	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 7	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci8	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 8	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci9	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 9	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI9 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-stdqcinongbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR)	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Standard QCI Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-stdqcigbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR)	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Standard QCI GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qcinongbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR)	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Non-Standard QCI Non-GBR bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktdrop-qcigbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR)	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Non-Standard QCI GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-totgbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Total GBR	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-totnongbr	INT32	Incremental	active	Total number of downlink packets dropped of PGW anchored/GGSN anchored/Collapsed PDN Total Non-GBR	Increments when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlbytedrop	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci1	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 1	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci2	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 2	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci3	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 3	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI3 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci4	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 4	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci5	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 5	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI5 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytedrop-qci6	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 6	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI6 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci7	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 7	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci8	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 8	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci9	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN QCI 9	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a QCI9 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-stdqcinongbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR)	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Standard QCI Non-GBR bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytedrop-stdqcigbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR)	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Standard QCI GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qcinongbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR)	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Non Standard QCI Non GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qcigbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR)	Increments by number of bytes in packet when a downlink packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN a Non Standard QCI GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-totgbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Total GBR	Increments by number of bytes in packet when a downlink GBR data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-totnongbr	INT64	Incremental	active	Total number of downlink bytes dropped of PGW anchored/GGSN anchored/Collapsed PDN Total Non-GBR	Increments by number of bytes in packet when a downlink non-GBR data packet is dropped of PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulpktdropmbrexc	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci1	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 1	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci2	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 2	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci3	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 3	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 3 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktdropmbrexc-qci4	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 4	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci5	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 5	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 5 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci6	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 6	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 6 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci7	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 7	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci8	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 8	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci9	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 9	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 9 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 69	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulpktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-stdqcinongbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR)	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Std QCI Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-stdqcigbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR)	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qcinongbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR)	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qcigbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR)	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI(GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-totgbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Total GBR	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-totnongbr	INT32	Incremental	active	Total number of uplink packets dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Total Non-GBR	Increments when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulbytedropmbrexc	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN due to MBR exceed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedropmbrexc-qci1	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 1	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci2	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 2	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci3	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 3	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 3 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci4	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 4	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci5	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 5	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 5 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci6	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 6	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 6 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedropmbrexc-qci7	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 7	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci8	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 8	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci9	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 9	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN QCI 9 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 70	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR)	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-stdqcigbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR)	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qcinongbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR)	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qcigbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR)	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-totgbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Total GBR	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-totnongbr	INT64	Incremental	active	Total number of uplink bytes dropped due to mbr exceed of PGW anchored/GGSN anchored/Collapsed PDN Total NON-GBR	Increments by number of bytes in packet when a uplink data packet is dropped due to MBR exceed of PGW anchored/GGSN anchored/Collapsed PDN Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlpktdropmbrexc	INT32	Incremental	active	P-GW Subscriber Data Statistics: Total Downlink packets dropped due to MBR exceed	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktdropmbrexc-qci1	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 1	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci2	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 2	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci3	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed- QCI 3	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 3 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci4	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 4	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci5	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed- QCI 5	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 5 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci6	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 6	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 6 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci7	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 7	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci8	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 8	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci9	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - QCI 9	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 9 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-stdqcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Standard QCI (Non-GBR	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Standard QCI Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-stdqcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Standard QCI (GBR)	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qcinongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Non-Standard QCI (Non-GBR)	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qcigbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Non-Standard QCI (GBR)	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI(GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-totgbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Total GBR	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN all GBR QCI's (Standard + Non-Standard) bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlpktdropmbrexc-totnongbr	INT32	Incremental	active	P-GW Subscriber Data Statistics: Downlink packets dropped due to MBR exceed - Total NON-GBR	Increments when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN all Non-GBR QCI's (Standard + Non-Standard) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totdlbytedropmbrexc	INT64	Incremental	active	P-GW Subscriber Data Statistics: Total Downlink bytes dropped due to MBR exceed	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci1	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 1	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 1 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci2	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 2	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 2 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci3	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed- QCI 3	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 3 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci4	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 4	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 4 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci5	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed- QCI 5	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 5 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytedropmbrexc-qci6	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 6	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 6 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci7	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 7	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 7 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci8	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 8	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 8 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci9	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - QCI 9	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN QCI 9 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 65 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 66 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 69 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 70 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Standard QCI (Non-GBR)	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-stdqcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Standard QCI (GBR)	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Standard QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qcinongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Non-Standard QCI (Non-GBR)	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qcigbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Non-Standard QCI (GBR)	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Non-Standard QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-totgbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Total GBR	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN GBR bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-dlbytedropmbrexc-totnongbr	INT64	Incremental	active	P-GW Subscriber Data Statistics: Downlink bytes dropped due to MBR exceed - Total NON-GBR	Increments by number of bytes in packet when a downlink data packet is dropped due to MBR exceed, for PGW anchored/GGSN anchored/Collapsed PDN Non-GBR bearer	Per SAEGW Service	Standard
saegw	pgw-apnambrratelimit-ulpktdrop	INT32	Incremental	active	APN AMBR Rate Limiting Statistics: Uplink packets dropped	Increments when uplink data packet is dropped due to APN AMBR Rate limiting, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-apnambrratelimit-dlpktdrop	INT32	Incremental	active	APN AMBR Rate Limiting Statistics: Downlink packets dropped	Increments when downlink data packet is dropped due to APN AMBR Rate limiting, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-apnambrratelimit-ulbytedrop	INT64	Incremental	active	APN AMBR Rate Limiting Statistics: Uplink bytes dropped	Increments by number of bytes when uplink data packet is dropped due to APN AMBR Rate limiting, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-apnambrratelimit-dlbytedrop	INT64	Incremental	active	APN AMBR Rate Limiting Statistics: Downlink bytes dropped	Increments by number of bytes when downlink data packet is dropped due to APN AMBR Rate limiting, for PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4-pdn-to-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink data packets sent on IPv4 PDN	Increments when downlink data packet is sent, for IPv4 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4-pdn-to-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink data bytes sent on IPv4 PDN	Increments by number of bytes when downlink data packet is sent, for IPv4 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4-pdn-from-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink data packets sent on IPv4 PDN	Increments when uplink data packet is sent, for IPv4 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-ipv4-pdn-from-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink data bytes sent on IPv4 PDN	Increments by number of bytes when uplink data packet is sent, for IPv4 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv6-pdn-to-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink data packets sent on IPv6 PDN	Increments when downlink data packet is sent, for IPv6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv6-pdn-to-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink data bytes sent on IPv6 PDN	Increments by number of bytes when downlink data packet is sent, for IPv6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv6-pdn-from-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink data packets sent on IPv6 PDN	Increments when uplink data packet is sent, for IPv6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv6-pdn-from-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink data bytes sent on IPv6 PDN	Increments by number of bytes when uplink data packet is sent, for IPv6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv4-to-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink IPv4 data packets sent on IPv4v6 PDN	Increments when IPv4 downlink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv4-to-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink IPv4 data bytes sent on IPv4v6 PDN	Increments by number of bytes when IPv4 downlink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv4-from-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink IPv4 data packets sent on IPv4v6 PDN	Increments when IPv4 uplink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv4-from-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink IPv4 data bytes sent on IPv4v6 PDN	Increments by number of bytes when IPv4 uplink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-ipv4v6-pdn-ipv6-to-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink IPv6 data packets sent on IPv4v6 PDN	Increments when IPv6 downlink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv6-to-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Downlink IPv6 data bytes sent on IPv4v6 PDN	Increments by number of bytes when IPv6 downlink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv6-from-user-pkt	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink IPv6 data packets sent on IPv4v6 PDN	Increments when IPv6 uplink data packet is sent, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-ipv4v6-pdn-ipv6-from-user-byte	INT64	Incremental	active	P-GW Subscriber Data Statistics: Number of Uplink IPv6 data bytes sent on IPv4v6 PDN	Increments by number of bytes when IPv6 uplink data byte is received, for IPv4v6 PGW anchored/GGSN anchored/Collapsed PDN bearer	Per SAEGW Service	Standard
saegw	pgw-sessstat-ovrchrgprtctn-pdns-ovrchrg-paused	INT32	Incremental	active	Total number of PDN's in Overcharge-Protection Paused state.	Incremented when PDN moved to Overcharging paused state	Per SAEGW Service	Standard
saegw	pgw-sessstat-ovrchrgprtctn-uplkpktdrop	INT32	Incremental	active	Total number of Uplink Packets dropped in Overcharge-Protection state	Increments when uplink packet is dropped, for PGW anchored/Collapsed PDN bearers in overcharging-protection state	Per SAEGW Service	Standard
saegw	pgw-sessstat-ovrchrgprtctn-uplkbytedrop	INT64	Incremental	active	Total number of Uplink bytes dropped in Overcharge-Protection state	Increments by number of bytes when uplink packet is dropped, for PGW anchored/Collapsed PDN bearer in overcharging-protection state	Per SAEGW Service	Standard
saegw	pgw-sessstat-ovrchrgprtctn-dnlkpktdrop	INT32	Incremental	active	Total number of Downlink Packets dropped in Overcharge-Protection state.	Increments when downlink packet is dropped for PGW anchored/Collapsed PDN bearer in overcharging-protection state	Per SAEGW Service	Standard
saegw	pgw-sessstat-ovrchrgprtctn-dnlkbytedrop	INT64	Incremental	active	Total number of Downlink bytes dropped in Overcharge-Protection state.	Increments by number of bytes when downlink packet is dropped for PGW anchored/Collapsed PDN bearer in overcharging-protection state	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-cumlt	INT64	Incremental	active	Cumulative Session Events: Pegged on receiving new PDN session creation or deletion request	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-transrate-succ-sessevt-cumlt	INT64	Incremental	active	Cumulative Successful Session Events: Pegged on sending successful new PDN session creation or deletion response	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful Session Events: Pegged on sending unsuccessful new PDN session creation or deletion response	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative N/w Initiated Setup/Teardown Events: Pegged on sending bearer creation or deletion request	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Successful N/w Initiated Setup/Teardown Events: Pegged on receiving successful bearer creation or deletion response	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful N/w Initiated Setup/Teardown Events: Pegged on receiving unsuccessful bearer creation or deletion response	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt1	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt2	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt3	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt4	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt5	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt6	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt7	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-sessevt-bkt8	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new PDN session creation or deletion request are received (In a given interval)	On receiving new PDN session creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-transrate-succ-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful new PDN session creation or deletion response are sent (In a given interval)	On sending successful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful new PDN session creation or deletion response are sent (In a given interval)	On sending unsuccessful PDN session creation or deletion respose	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-transrate-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are sent (In a given interval)	On sending bearer creation or deletion request	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-succ-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are received (In a given interval)	On receiving successful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard
saegw	pgw-transrate-unsucc-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are received (In a given interval)	On receiving unsuccessful bearer creation or deletion response	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-pcscf-recovery-count	INT32	Incremental	active	Tracks the number of occurrences of P-CSCF Restoration Required Indications received from the MME/S-GW through a modify bearer request.	Incrementes when P-CSCF Restoration Required Indications received from the MME/S-GW through a modify bearer request, for PGW anchored/Collapsed PDNs	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-inrstrstate	INT32	Incremental	active	Total number of PDN sessions are in S-GW Restoration state	Increments when PGW anchored/Collapsed PDN session is in SGW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-recovered	INT32	Incremental	active	Total number of PDN sessions recovered from S-GW Restoration state	Increments when PGW anchored/Collapsed PDN session is recovered from S-GW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-released	INT32	Incremental	active	Total number of PDN sessions got released from S-GW Restoration state	Increments when PGW anchored/Collapsed PDN session is released from S-GW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-uplkpktdrop	INT32	Incremental	active	Total number of Uplink Packets dropped in S-GW Restoration state	Increments when uplink packet is dropped, for PGW anchored/Collapsed PDN sessions in S-GW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-uplkbytedrop	INT64	Incremental	active	Total number of Uplink bytes dropped in S-GW Restoration state	Increments by number of bytes when uplink packet is dropped, for PGW anchored/Collapsed PDN sessions in S-GW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-dnlkpktdrop	INT32	Incremental	active	Total number of Downlink Packets dropped in S-GW Restoration state	Increments when downlink packet is dropped, for PGW anchored/Collapsed PDN sessions in S-GW Restoration state	Per SAEGW Service	Standard
saegw	pgw-sessstat-sgwrstr-dnlkbytedrop	INT64	Incremental	active	Total number of Downlink bytes dropped in S-GW Restoration state	Increments by number of bytes when downlink packet is dropped, for PGW anchored/Collapsed PDN sessions in S-GW Restoration state	Per SAEGW Service	Standard
saegw	saegw-setup-pdns-sgw-anchored	INT32	Incremental	active	Total S-GW-anchored setup PDNs	Increments when a S-GW-anchored PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-setup-pdns-pgw-anchored	INT32	Incremental	active	Total P-GW-anchored setup PDNs	Increments when a P-GW-anchored PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-setup-pdns-collocated	INT32	Incremental	active	Total collocated setup PDNs	Increments when a collocated PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-rel-pdns-sgw-anchored	INT32	Incremental	active	Total S-GW-anchored released PDNs	Increments when a S-GW-anchored PDN delete request is received.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-rel-pdns-pgw-anchored	INT32	Incremental	active	Total P-GW-anchored released PDNs	Increments when a P-GW-anchored PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-rel-pdns-collocated	INT32	Incremental	active	Total collocated released PDNs	Increments when a collocated PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdn-rat-utran	INT32	Gauge	active	Total of 3G PDNs (with RAT Type UTRAN) attached to GGSN associated with P-GW of SAEGW via GNGP-SGSN.	Increment when GGSN associated with PGW of SAEGW PDN with RAT UTRAN established	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdn-rat-geran	INT32	Gauge	active	Sum of 2G subscribers/PDNs (with RAT Type GERAN) attached to GGSN associated with P-GW via GNGP-SGSN of SAEGW.	Increment when GGSN associated with PGW of SAEGW PDN with Rat GERAN established	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdn-rat-wlan	INT32	Gauge	active	Sum of PDNs (with RAT Type WLAN) attached to GGSN associated with P-GW of SAEGW.	Increment when GGSN associated with PGW of SAEGW PDN with RAT WLAN established	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdn-rat-other	INT32	Gauge	active	Sum of PDNs (with RAT Type other than eUTRAN,UTRAN,GERAN,WLAN) attached to GGSN associated with P-GW of SAEGW.	Increment when GGSN associated with PGW of SAEGW PDN with RAT other than eUTRAN,UTRAN,GERAN,WLAN established	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdn-rat-eutran	INT32	Gauge	active	Total of 4G PDNs (Pure S with RAT Type E-UTRAN) attached to only S-GW of SAEGW.	Increment when only SGW of SAEGW PDN with RAT type E-UTRAN established	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdn-rat-utran	INT32	Gauge	active	Sum of 3G PDNs (Pure S with RAT Type UTRAN) attached to only S-GW of SAEGWvia S4-SGSN.	Increment when only SGW of SAEGW PDN with RAT type UTRAN established	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdn-rat-geran	INT32	Gauge	active	Sum of 2G PDNs (Pure S with RAT Type GERAN) attached to only S-GW of SAEGW via S4-SGSN.	Increment when only SGW of SAEGW PDN with RAT type GTRAN established	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdn-rat-other	INT32	Gauge	active	Sum of PDNs (Pure S with RAT Type other than eUTRAN,UTRAN,GERAN) attached to only S-GW of SAEGW.	Increment when only SGW of SAEGW PDN with RAT type other than E-UTRAN,UTRAN,GERAN established	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdn-rat-eutran	INT32	Gauge	active	Total of 4G PDNs (Pure P with RAT Type E-UTRAN) attached to only P-GW of SAEGW.	Increment when only PGW of SAEGW PDN with RAT type E-UTRAN established	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdn-rat-utran	INT32	Gauge	active	Total of 3G PDNs (Pure P with RAT Type UTRAN) attached to only P-GW of SAEGWvia S4-SGSN.	Increment when only PGW of SAEGW PDN with RAT type UTRAN established	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdn-rat-geran	INT32	Gauge	active	Total of 2G PDNs (pure P with RAT Type GERAN) attached to only P-GW of SAEGW via S4-SGSN (pure P PDNs).	Increment when only PGW of SAEGW PDN with RAT type GERAN established	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdn-rat-wlan	INT32	Gauge	active	Sum of PDNs (Pure P with RAT Type WLAN) attached to only P-GW of SAEGW (Pure P PDNs).	Increment when only PGW of SAEGW PDN with RAT type WLAN established	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdn-rat-other	INT32	Gauge	active	Sum of PDNs (Pure P with RAT Type other than e-UTRAN, UTRAN, GERAN, WLAN) attached to only P-GW of SAEGW (Pure P PDNs).	Increment when only PGW of SAEGW PDN with RAT type other than e-UTRAN,UTRAN,GERAN,WLAN established	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-collapsed-pdn-rat-eutran	INT32	Gauge	active	Sum of 4G PDNs (collapsed with RAT Type E-UTRAN) attached to both P-GW and S-GW of SAEGW.	Increment when PGW and SGW of SAEGW PDN with RAT type E-UTRAN established	Per SAEGW Service	Standard
saegw	saegw-collapsed-pdn-rat-utran	INT32	Gauge	active	Sum of 3G PDNs (collapsed with RAT Type UTRAN) attached to both P-GW and S-GW of SAEGWvia S4-SGSN.	Increment when PGW and SGW of SAEGW PDN with RAT type UTRAN established	Per SAEGW Service	Standard
saegw	saegw-collapsed-pdn-rat-geran	INT32	Gauge	active	Total of 2G PDNs (collapsed with RAT Type GERAN) attached to both P-GW and S-GW of SAEGW via S4-SGSN.	Increment when PGW and SGW of SAEGW PDN with RAT type GERAN established	Per SAEGW Service	Standard
saegw	saegw-collapsed-pdn-rat-other	INT32	Gauge	active	Sum of PDNs (collapsed with RAT Type other than eUTRAN, UTRAN, GERAN,WLAN) attached to both P-GW and S-GW of SAEGW.	Increment when only PGW of SAEGW PDN with RAT type other than eUTRAN,UTRAN,GERAN,WLAN established	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4-active	INT32	Gauge	active	Total IPv4 GGSN-anchored active PDNs.	Increments when a GGSN-anchored IPv4 PDN is created. Decrements when a GGSN-anchored IPv4 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4-setup	INT32	Incremental	active	Total IPv4 GGSN-anchored PDNs set up	Increments when a GGSN-anchored IPv4 PDN create request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4-released	INT32	Incremental	active	Total IPv4 GGSN-anchored PDNs released	Increments when a GGSN-anchored IPv4 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv6-active	INT32	Gauge	active	Total IPv6 GGSN-anchored active PDNs	Increments when a GGSN-anchored IPv6 PDN is created. Decrements when a GGSN-anchored IPv6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv6-setup	INT32	Incremental	active	Total IPv6 GGSN-anchored PDNs set up	Increments when a GGSN-anchored IPv6 PDN create request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv6-released	INT32	Incremental	active	Total IPv6 GGSN-anchored PDNs released	Increments when a GGSN-anchored IPv6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4v6-active	INT32	Gauge	active	Total IPv4v6 GGSN-anchored active PDNs	Increments when a GGSN-anchored IPv4v6 PDN is created. Decrements when a GGSN-anchored IPv4v6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4v6-setup	INT32	Incremental	active	Total IPv4v6 GGSN-anchored PDNs set up	Increments when a GGSN-anchored IPv4v6 PDN create request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-pdns-ipv4v6-released	INT32	Incremental	active	Total IPv4v6 GGSN-anchored PDNs released.	Increments when a GGSN-anchored IPv4v6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-1	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 1.	Increment when GGSN-anchored connections for Restoration-Priority-Level 1 established	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	ggsn-pdns-restore-priority-2	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 2.	Increment when GGSN-anchored connections for Restoration-Priority-Level 2 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-3	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 3.	Increment when GGSN-anchored connections for Restoration-Priority-Level 3 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-4	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 4.	Increment when GGSN-anchored connections for Restoration-Priority-Level 4 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-5	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 5.	Increment when GGSN-anchored connections for Restoration-Priority-Level 5 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-6	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 6.	Increment when GGSN-anchored connections for Restoration-Priority-Level 6 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-7	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 7.	Increment when GGSN-anchored connections for Restoration-Priority-Level 7 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-8	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 8.	Increment when GGSN-anchored connections for Restoration-Priority-Level 8 established	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-9	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 9.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 9. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 9.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-10	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 10.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 10. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 10.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-11	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 11.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 11 established. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 11.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	ggsn-pdns-restore-priority-12	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 12.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 12. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 12	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-13	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 13.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 13. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 13.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-14	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 14.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 14. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 14.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-15	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 15.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 15. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 15.	Per SAEGW Service	Standard
saegw	ggsn-pdns-restore-priority-16	INT32	Gauge	active	The current number of GGSN-anchored connections for Restoration-Priority-Level 16.	Increments when a GGSN-anchored connection is established for Restoration-Priority-Level 16. Decrements when a GGSN-anchored PDN connection is released with Restoration-Priority-Level 16.	Per SAEGW Service	Standard
saegw	ggsn-pdns-ipv4v6-released	INT32	Incremental	active	Descsription : Total IPv4v6 GGSN-anchored PDNs released	Increments when a GGSN-anchored IPv4v6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4-active	INT32	Gauge	active	Total IPv4 S-GW-anchored active PDNs	Increments when a S-GW-anchored IPv4 PDN is created. Decrements when a S-GW-anchored IPv4 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4-setup	INT32	Incremental	active	Total IPv4 S-GW-anchored setup PDNs	Increments when a S-GW-anchored IPv4 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4-released	INT32	Incremental	active	Total IPv4 S-GW-anchored released PDNs	Increments when a S-GW-anchored IPv4 PDN delete request is received.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-sgw-anchor-pdns-ipv6-active	INT32	Gauge	active	Total IPv6 S-GW-anchored active PDNs	Increments when a S-GW-anchored IPv6 PDN is created. Decrements when a S-GW-anchored IPv6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv6-setup	INT32	Incremental	active	Total IPv6 S-GW-anchored setup PDNs	Increments when a S-GW-anchored IPv6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv6-released	INT32	Incremental	active	Total IPv6 S-GW-anchored released PDNs	Increments when a S-GW-anchored IPv6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4v6-active	INT32	Gauge	active	Total IPv4v6 S-GW-anchored active PDNs	Increments when a S-GW-anchored IPv4v6 PDN is created. Decrements when a S-GW-anchored IPv4v6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4v6-setup	INT32	Incremental	active	Total IPv4v6 S-GW-anchored setup PDNs	Increments when a S-GW-anchored IPv4v6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-sgw-anchor-pdns-ipv4v6-released	INT32	Incremental	active	Total IPv4v6 S-GW-anchored released PDNs	Increments when a S-GW-anchored IPv4v6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv4-active	INT32	Gauge	active	Total IPv4 P-GW-anchored active PDNs	Increments when a P-GW-anchored IPv4 PDN is created. Decrements when a P-GW-anchored IPv4 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv4-setup	INT32	Incremental	active	Total IPv4 P-GW-anchored setup PDNs	Increments when a P-GW-anchored IPv4 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv4-released	INT32	Incremental	active	Total IPv4 P-GW-anchored released PDNs	Increments when a P-GW-anchored IPv4 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv6-active	INT32	Gauge	active	Total IPv6 P-GW-anchored active PDNs	Increments when a P-GW-anchored IPv6 PDN is created. Decrements when a P-GW-anchored IPv6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv6-setup	INT32	Incremental	active	Total IPv6 P-GW-anchored setup PDNs	Increments when a P-GW-anchored IPv6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv6-released	INT32	Incremental	active	Total IPv6 P-GW-anchored released PDNs	Increments when a P-GW-anchored IPv6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv4v6-active	INT32	Gauge	active	Total IPv4v6 P-GW-anchored active PDNs	Increments when a P-GW-anchored IPv4v6 PDN is created. Decrements when a P-GW-anchored IPv4v6 PDN is deleted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-pgw-anchor-pdns-ipv4v6-setup	INT32	Incremental	active	Total IPv4v6 P-GW-anchored setup PDNs	Increments when a P-GW-anchored IPv4v6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-pgw-anchor-pdns-ipv4v6-released	INT32	Incremental	active	Total IPv4v6 P-GW-anchored released PDNs	Increments when a P-GW-anchored IPv4v6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4-active	INT32	Gauge	active	Total IPv4 collocated active PDNs	Increments when a collocated IPv4 PDN is created. Decrements when a collocated IPv4 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4-setup	INT32	Incremental	active	Total IPv4 collocated setup PDNs	Increments when a collocated IPv4 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4-released	INT32	Incremental	active	Total IPv4 collocated released PDNs	Increments when a collocated IPv4 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv6-active	INT32	Gauge	active	Total IPv6 collocated active PDNs	Increments when a collocated IPv6 PDN is created. Decrements when a collocated IPv6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv6-setup	INT32	Incremental	active	Total IPv6 collocated setup PDNs	Increments when a collocated IPv6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv6-released	INT32	Incremental	active	Total IPv6 collocated released PDNs	Increments when a collocated IPv6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4v6-active	INT32	Gauge	active	Total IPv4v6 collocated active PDNs	Increments when a collocated IPv4v6 PDN is created. Decrements when a collocated IPv4v6 PDN is deleted.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4v6-setup	INT32	Incremental	active	Total IPv4v6 collocated setup PDNs	Increments when a collocated IPv4v6 PDN establish request is received.	Per SAEGW Service	Standard
saegw	saegw-collocated-pdns-ipv4v6-released	INT32	Incremental	active	Total IPv4v6 collocated released PDNs	Increments when a collocated IPv4v6 PDN delete request is received.	Per SAEGW Service	Standard
saegw	sgw-intersgwhaovstat-pdnout-collapsed	INT32	Incremental	active	The total outgoing collapsed calls along with S-GW anchored calls due to inter-S-GW relocation.	Increment when inter sgw relocation happens for collapsed calls	Per SAEGW Service	Standard
saegw	saegw-ggsn-sess-cur	INT32	Gauge	active	Total current GGSN-anchored IPv4, IPv6, and IPv4v6 sessions	Increments when any IPv4/IPv6/IPv4v6 GGSN sessions become active.	Per SAEGW Service	Standard
saegw	saegw-ggsn-ue-active	INT32	Incremental	active	Total active GGSN subscribers	Increments when any GGSN subscribers become active.	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-def	INT32	Incremental	active	GGSN-anchored default active bearers	Increments when any GGSN-anchored default bearer is created.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearact-ded	INT32	Incremental	active	GGSN-anchored dedicated active bearers	Increments when any GGSN-anchored dedicated bearer is created.	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-def	INT32	Incremental	active	GGSN-anchored default bearers setup	Increments when any GGSN-anchored default bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-ded	INT32	Incremental	active	GGSN-anchored dedicated bearers setup	Increments when any GGSN-anchored dedicated bearer request is received.	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-def	INT32	Incremental	active	GGSN-anchored default bearers released	Increments when any delete request is received for a GGSN-anchored default bearer.	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-ded	INT32	Incremental	active	GGSN-anchored dedicated bearers released	Increments when any delete request is received for a GGSN-anchored dedicated bearer.	Per SAEGW Service	Standard
saegw	saegw-ipv4-colocated-pdn-dl-packets	INT64	Incremental	active	IPv4 Collapsed PDN - Total Packets Downloaded	Increment when IPv4 Collapsed PDN downlink Packet received	Per SAEGW Service	Standard
saegw	saegw-ipv4-colocated-pdn-dl-bytes	INT64	Incremental	active	IPv4 Collapsed PDN - Total Bytes Downloaded	Increment when IPv4 Collapsed PDN downlink Bytes received	Per SAEGW Service	Standard
saegw	saegw-ipv4-colocated-pdn-ul-packets	INT64	Incremental	active	IPv4 Collapsed PDN - Total Packets Uploaded	Increment when IPv4 Collapsed PDN uplink Packet sent	Per SAEGW Service	Standard
saegw	saegw-ipv4-colocated-pdn-ul-bytes	INT64	Incremental	active	IPv4 Collapsed PDN - Total Bytes Uploaded	Increment when IPv4 Collapsed PDN uplink Bytes sent	Per SAEGW Service	Standard
saegw	saegw-ipv6-colocated-pdn-dl-packets	INT64	Incremental	active	IPv6 Collapsed PDN - Total Packets Downloaded	Increment when IPv6 Collapsed PDN downlink Packet received	Per SAEGW Service	Standard
saegw	saegw-ipv6-colocated-pdn-dl-bytes	INT64	Incremental	active	IPv6 Collapsed PDN - Total Bytes Downloaded	Increment when IPv6 Collapsed PDN downlink Bytes received	Per SAEGW Service	Standard
saegw	saegw-ipv6-colocated-pdn-ul-packets	INT64	Incremental	active	IPv6 Collapsed PDN - Total Packets Uploaded	Increment when IPv6 Collapsed PDN uplink Packets sent	Per SAEGW Service	Standard
saegw	saegw-ipv6-colocated-pdn-ul-bytes	INT64	Incremental	active	IPv6 Collapsed PDN - Total Bytes Uploaded	Increment when IPv6 Collapsed PDN uplink Bytes sent	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv4-dl-packets	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv4 Packets Downloaded	Increment when IPv4v6 Collapsed PDN received IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv4-dl-bytes	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv4 Bytes Downloaded	Increment when IPv4v6 Collapsed PDN received IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv4-ul-packets	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv4 Packets Uploaded	Increment when IPv4v6 Collapsed PDN sent IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv4-ul-bytes	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv4 Bytes Uploaded	Increment when IPv4v6 Collapsed PDN sent IPv4 Bytes	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ipv4v6-colocated-pdn-ipv6-dl-packets	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv6 Packets Downloaded	Increment when IPv4v6 Collapsed PDN received IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv6-dl-bytes	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv6 Bytes Downloaded	Increment when IPv4v6 Collapsed PDN received IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv6-ul-packets	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv6 Packets Uploaded	Increment when IPv4v6 Collapsed PDN sent IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-colocated-pdn-ipv6-ul-bytes	INT64	Incremental	active	IPv4v6 Collapsed PDN - Total IPv6 Bytes Uploaded	Increment when IPv4v6 Collapsed PDN sent IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4-sgw_anchored-pdn-dl-packets	INT64	Incremental	active	IPv4 S-GW Anchored PDN - Total Packets Downloaded	Increment when IPv4 S-GW Anchored PDN received Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4-sgw_anchored-pdn-dl-bytes	INT64	Incremental	active	IPv4 S-GW Anchored PDN - Total Bytes Downloaded	Increment when IPv4 S-GW Anchored PDN received Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4-sgw_anchored-pdn-ul-packets	INT64	Incremental	active	IPv4 S-GW Anchored PDN - Total Packets Uploaded	Increment when IPv4 S-GW Anchored PDN sent Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4-sgw_anchored-pdn-ul-bytes	INT64	Incremental	active	IPv4 S-GW Anchored PDN - Total Bytes Uploaded	Increment when IPv4 S-GW Anchored PDN sent Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv6-sgw_anchored-pdn-dl-packets	INT64	Incremental	active	IPv6 S-GW Anchored PDN - Total Packets Downloaded	Increment when IPv6 S-GW Anchored PDN received Packets	Per SAEGW Service	Standard
saegw	saegw-ipv6-sgw_anchored-pdn-dl-bytes	INT64	Incremental	active	IPv6 S-GW Anchored PDN - Total Bytes Downloaded	Increment when IPv6 S-GW Anchored PDN received Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv6-sgw_anchored-pdn-ul-packets	INT64	Incremental	active	IPv6 S-GW Anchored PDN - Total Packets Uploaded	Increment when IPv6 S-GW Anchored PDN sent Packets	Per SAEGW Service	Standard
saegw	saegw-ipv6-sgw_anchored-pdn-ul-bytes	INT64	Incremental	active	IPv6 S-GW Anchored PDN - Total Bytes Uploaded	Increment when IPv6 S-GW Anchored PDN sent Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv4-dl-packets	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv4 Packets Downloaded	Increment when IPv4v6 S-GW Anchored PDN received IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv4-dl-bytes	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv4 Bytes Downloaded	Increment when IPv4v6 S-GW Anchored PDN received IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv4-ul-packets	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv4 Packets Uploaded	Increment when IPv4v6 S-GW Anchored PDN sent IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv4-ul-bytes	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv4 Bytes Uploaded	Increment when IPv4v6 S-GW Anchored PDN sent IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv6-dl-packets	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv6 Packets Downloaded	Increment when IPv4v6 S-GW Anchored PDN received IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv6-dl-bytes	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv6 Bytes Downloaded	Increment when IPv4v6 S-GW Anchored PDN received IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv6-ul-packets	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv6 Packets Uploaded	Increment when IPv4v6 S-GW Anchored PDN sent IPv6 Packets	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ipv4v6-sgw_anchored-pdn-ipv6-ul-bytes	INT64	Incremental	active	IPv4v6 S-GW Anchored PDN - Total IPv6 Bytes Uploaded	Increment when IPv4v6 S-GW Anchored PDN sent IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4-pgw_anchored-pdn-dl-packets	INT64	Incremental	active	IPv4 P-GW Anchored PDN - Total Packets Downloaded	Increments when IPv4 P-GW Anchored PDN receives IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4-pgw_anchored-pdn-dl-bytes	INT64	Incremental	active	IPv4 P-GW Anchored PDN - Total Bytes Downloaded	Increments when IPv4 P-GW Anchored PDN receives IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4-pgw_anchored-pdn-ul-packets	INT64	Incremental	active	IPv4 P-GW Anchored PDN - Total Packets Uploaded	Increments when IPv4 P-GW Anchored PDN sends IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4-pgw_anchored-pdn-ul-bytes	INT64	Incremental	active	IPv4 P-GW Anchored PDN - Total Bytes Uploaded	Increments when IPv4 P-GW Anchored PDN sends IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv6-pgw_anchored-pdn-dl-packets	INT64	Incremental	active	IPv6 P-GW Anchored PDN - Total Packets Downloaded	Increments when IPv6 P-GW Anchored PDN receives IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv6-pgw_anchored-pdn-dl-bytes	INT64	Incremental	active	IPv6 P-GW Anchored PDN - Total Bytes Downloaded	Increments when IPv6 P-GW Anchored PDN receives IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv6-pgw_anchored-pdn-ul-packets	INT64	Incremental	active	IPv6 P-GW Anchored PDN - Total Packets Uploaded	Increments when IPv6 P-GW Anchored PDN sends IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv6-pgw_anchored-pdn-ul-bytes	INT64	Incremental	active	IPv6 P-GW Anchored PDN - Total Bytes Uploaded	Increments when IPv6 P-GW Anchored PDN sends IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv4-dl-packets	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv4 Packets Downloaded	Increments when IPv4v6 P-GW Anchored PDN receives IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv4-dl-bytes	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv4 Bytes Downloaded	Increments when IPv4v6 P-GW Anchored PDN receives IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv4-ul-packets	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv4 Packets Uploaded	Increments when IPv4v6 P-GW Anchored PDN sends IPv4 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv4-ul-bytes	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv4 Bytes Uploaded	Increments when IPv4v6 P-GW Anchored PDN sends IPv4 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv6-dl-packets	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv6 Packets Downloaded	Increments when IPv4v6 P-GW Anchored PDN receives IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv6-dl-bytes	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv6 Bytes Downloaded	Increments when IPv4v6 P-GW Anchored PDN receives IPv6 Bytes	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv6-ul-packets	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv6 Packets Uploaded	Increments when IPv4v6 P-GW Anchored PDN sends IPv6 Packets	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-pgw_anchored-pdn-ipv6-ul-bytes	INT64	Incremental	active	IPv4v6 P-GW Anchored PDN - Total IPv6 Bytes Uploaded	Increments when IPv4v6 P-GW Anchored PDN sends IPv6 Bytes	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulpktfwd-qci1	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 1	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 1 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci2	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 2	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 2 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci3	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 3	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 3 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci4	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 4	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 4 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Not Defined	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci5	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 5	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 5 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci6	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 6	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 6 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulpktfwd-qci7	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 7	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 7 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci8	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 8	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 8 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci9	INT32	Incremental	active	Collapsed Subscriber Data Statistics:Uplink packets forwarded - QCI 9	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 9 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 65 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 66 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 69 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulpktfwd-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 70 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci1	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 1	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci2	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 2	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 2 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci3	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 3	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 3 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci4	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 4	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 4 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytefwd-qci5	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 5	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 5 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci6	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 6	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 6 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci7	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 7	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 7 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci8	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 8	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 8 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci9	INT64	Incremental	active	Collapsed Subscriber Data Statistics:Uplink bytes forwarded - QCI 9	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 9 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by S-GW (of SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytefwd-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 65 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 66 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 66 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 69 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 69 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 70 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 70 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci1	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 1 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlpktfwd-qci2	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 2 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 2 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci3	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 3 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 3 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci4	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 4 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 4 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci5	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 5 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 5 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci6	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 6 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 6 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci7	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 7 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 7 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlpktfwd-qci8	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 8 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 8 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci9	INT32	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 9 Total-Packets	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 9 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 65 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 66 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 69 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 70 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytefwd-qci1	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 1 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 1 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci2	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 2 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 2 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci3	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 3 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 3 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci4	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 4 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 4 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci5	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 5 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 5 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci6	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 6 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 6 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytefwd-qci7	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 7 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 7 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci8	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 8 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 8 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci9	INT64	Incremental	active	Collapsed Data Statistics: Downlink Statistics - QCI 9 Total-Bytes .	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 9 when the DL data packet is forwarded to eNB.The DL packets sent by P-GW (of SAEGW) but dropped at S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 65 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 66 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytefwd-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 69 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 70 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci1	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci1 and sgw-datastat-ul-dropstat-qci1totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 1 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci2	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci2 and sgw-datastat-ul-dropstat-qci2totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 2 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci3	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci3 and sgw-datastat-ul-dropstat-qci3totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 3 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci4	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci4 and sgw-datastat-ul-dropstat-qci4totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 4 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci5	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci5 and sgw-datastat-ul-dropstat-qci5totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 5 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulpktdrop-qci6	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci6 and sgw-datastat-ul-dropstat-qci6totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 6 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci7	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci7 and sgw-datastat-ul-dropstat-qci7totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 7 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci8	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci8 and sgw-datastat-ul-dropstat-qci8totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 8 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci9	INT32	Incremental	active	The sum of pgw-subdatastat-ulpktdrop-qci9 and sgw-datastat-ul-dropstat-qci9totpkt in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 9 when the UL data packet is dropped by S-GW or the UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 65 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 66 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 69 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 70 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytedrop-qci1	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci1 and sgw-datastat-ul-dropstat-qci1totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 1 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci2	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci2 and sgw-datastat-ul-dropstat-qci2totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 2 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci3	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci3 and sgw-datastat-ul-dropstat-qci3totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 3 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci4	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci4 and sgw-datastat-ul-dropstat-qci4totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 4 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci5	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci5 and sgw-datastat-ul-dropstat-qci5totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 5 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci6	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci6 and sgw-datastat-ul-dropstat-qci6totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 6 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci7	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci7 and sgw-datastat-ul-dropstat-qci7totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 7 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci8	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci8 and sgw-datastat-ul-dropstat-qci8totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 8 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci9	INT64	Incremental	active	The sum of pgw-subdatastat-ulbytedrop-qci9 and sgw-datastat-ul-dropstat-qci9totbyte in SAEGW schema for a collapsed call only.	Increments for a collapsed call per Quality of Class Identifier 9 when the UL data packet is dropped by S-GW or The UL data packet is dropped by P-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytedrop-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 65 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 66 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 69 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 70 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci1	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci1 and sgw-datastat-dl-dropstat-qci1totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 1 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci2	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci2 and sgw-datastat-dl-dropstat-qci2totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 2 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci3	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci3 and sgw-datastat-dl-dropstat-qci3totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 3 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci4	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci4 and sgw-datastat-dl-dropstat-qci4totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 4 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci5	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci5 and sgw-datastat-dl-dropstat-qci5totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 5 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlpktdrop-qci6	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci6 and sgw-datastat-dl-dropstat-qci6totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 6 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci7	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci7 and sgw-datastat-dl-dropstat-qci7totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 7 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci8	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci8 and sgw-datastat-dl-dropstat-qci8totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 8 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci9	INT32	Incremental	active	The sum of pgw-subdatastat-dlpktdrop-qci9 and sgw-datastat-dl-dropstat-qci9totpkt in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 9 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 on a SAEGW	Incremented for a collapsed call per QCI 65 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 on a SAEGW	Incremented for a collapsed call per QCI 66 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 on a SAEGW	Incremented for a collapsed call per QCI 69 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 on a SAEGW	Incremented for a collapsed call per QCI 70 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci1	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci1 and sgw-datastat-dl-dropstat-qci1totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 1 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci2	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci2 and sgw-datastat-dl-dropstat-qci2totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 2 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytedrop-qci3	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci3 and sgw-datastat-dl-dropstat-qci3totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 3 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci4	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci4 and sgw-datastat-dl-dropstat-qci4totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 4 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci5	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci5 and sgw-datastat-dl-dropstat-qci5totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 5 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci6	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci6 and sgw-datastat-dl-dropstat-qci6totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 6 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci7	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci7 and sgw-datastat-dl-dropstat-qci7totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 7 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci8	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci8 and sgw-datastat-dl-dropstat-qci8totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 8 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci9	INT64	Incremental	active	The sum of pgw-subdatastat-dlbytedrop-qci9 and sgw-datastat-dl-dropstat-qci9totbyte in SAEGW schema for a collapsed call only.	Incremented for a collapsed call per QCI 9 when the DL data packet is dropped by P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 on a SAEGW	Incremented for a collapsed call per QCI 65 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66 on a SAEGW	Incremented for a collapsed call per QCI 66 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69 on a SAEGW	Incremented for a collapsed call per QCI 69 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytedrop-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70 on a SAEGW	Incremented for a collapsed call per QCI 70 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci1	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 1 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci2	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 2 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci3	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 3 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci4	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 4 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearact-qci5	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 5 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci6	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 6 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci7	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 7 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci8	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 8 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearact-qci9	INT32	Gauge	active	Collapsed Subscriber QoS Statistics: Total bearers active - QCI 9 .	Increments at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci65	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 65 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci66	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 66 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci69	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 69 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearact-qci70	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 70 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci1	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 1.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci2	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 2.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci3	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 3.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci4	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 4.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci5	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 5.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci6	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 6.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci7	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 7.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearset-qci8	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 8.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci9	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers setup - QCI 9.	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci65	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 65 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci66	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 66 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci69	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 69 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci70	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 70 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci1	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 1.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci2	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 2.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci3	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 3.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearrel-qci4	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 4.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci5	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 5.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci6	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 6.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci7	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 7.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci8	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 8.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci9	INT32	Incremental	active	Collapsed P-GW Subscriber QoS Statistics: Total bearers released - QCI 9.	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci65	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 65 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci66	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 66 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci69	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 69 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearrel-qci70	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 70 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	saegw-ipv4-ggsn-pdn-dl-packets	INT64	Incremental	active	IPv4 GGSN Anchored PDN - Total Packets Downloaded	Increments when an IPv4 packet for a GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv4-ggsn-pdn-dl-bytes	INT64	Incremental	active	IPv4 GGSN Anchored PDN - Total Bytes Downloaded	Increments when an IPv4 packet for a GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv4-ggsn-pdn-ul-packets	INT64	Incremental	active	IPv4 GGSN Anchored PDN - Total Packets Uploaded	Increments when an IPv4 packet for a GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv4-ggsn-pdn-ul-bytes	INT64	Incremental	active	IPv4 GGSN Anchored PDN - Total Bytes Uploaded	Increments when an IPv4 packet for a GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv6-ggsn-pdn-dl-packets	INT64	Incremental	active	IPv6 GGSN Anchored PDN - Total Packets Downloaded	Increments when an IPv6 packet for a GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv6-ggsn-pdn-dl-bytes	INT64	Incremental	active	IPv6 GGSN Anchored PDN - Total Bytes Downloaded	Increments when an IPv6 packet for a GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv6-ggsn-pdn-ul-packets	INT64	Incremental	active	IPv6 GGSN Anchored PDN - Total Packets Uploaded	Increments when an IPv6 packet for a GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv6-ggsn-pdn-ul-bytes	INT64	Incremental	active	IPv6 GGSN Anchored PDN - Total Bytes Uploaded	Increments when an IPv6 packet for a GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv4-dl-packets	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv4 Packets Downloaded	Increments when an IPv4 packet for an IPv4v6 GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv4-dl-bytes	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv4 Bytes Downloaded	Increments when an IPv4 packet for an IPv4v6 GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv4-ul-packets	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv4 Packets Uploaded	Increments when an IPv4 packet for an IPv4v6 GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv4-ul-bytes	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv4 Bytes Uploaded	Increments when an IPv4 packet for an IPv4v6 GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv6-dl-packets	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv6 Packets Downloaded	Increments when an IPv6 packet for an IPv4v6 GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ipv4v6-ggsn-pdn-ipv6-dl-bytes	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv6 Bytes Downloaded	Increments when an IPv6 packet for an IPv4v6 GGSN-Anchored PDN is downloaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv6-ul-packets	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv6 Packets Uploaded	Increments when an IPv6 packet for an IPv4v6 GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ipv4v6-ggsn-pdn-ipv6-ul-bytes	INT64	Incremental	active	IPv4v6 GGSN Anchored PDN - Total IPv6 Bytes Uploaded	Increments when an IPv6 packet for an IPv4v6 GGSN-Anchored PDN is uploaded	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-def	INT32	Incremental	active	GGSN-anchored default active bearers - Emergency	Increments when an GGSN-Anchored Emergency default bearer comes up	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-auth-imsi-def	INT32	Incremental	active	GGSN-anchored default active bearers - Emergency Authorized IMSI	Increments when a GGSN-Anchored Authorized IMSI Emergency default bearer comes up	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-unauth-imsi-def	INT32	Incremental	active	GGSN-anchored default active bearers - Emergency Un-authorized IMSI	Increments when a GGSN-anchored Un-authorized IMSI- Emergency default bearer comes up	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-only-imei-def	INT32	Incremental	active	GGSN-anchored default active bearers - Emergency only IMEI	Increments when a GGSN-anchored IMEI only Emergency default bearer comes up	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-ue-init-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - UE initiated	Increments when any GGSN-anchored ue-initiated dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-nw-init-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Network initiated	Increments when any GGSN-anchored network-initiated dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Emergency	Increments when any GGSN-anchored emergency dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-auth-imsi-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Emergency Authorized IMSI	Increments when any GGSN-anchored emergency authorized IMSI dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-unauth-imsi-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Emergency Un-authorized IMSI	Increments when any GGSN-anchored emergency un-authorized IMSI dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-emergency-only-imei-ded	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Emergency only IMEI	Increments when any GGSN-anchored emergency only IMEI dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearact-nw-init-ded-att	INT32	Gauge	active	GGSN-anchored dedicated active bearers - Network initiated	Increments when any GGSN-anchored network initiated dedicated bearer is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-def	INT32	Incremental	active	GGSN-anchored default setup bearers - Emergency	Increments when established GGSN-anchored emergency default bearer request is received	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearset-emergency-auth-imsi-def	INT32	Incremental	active	GGSN-anchored default setup bearers - Emergency Authorized IMSI	Increments when established GGSN-anchored emergency authorized IMSI default bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-unauth-imsi-def	INT32	Incremental	active	GGSN-anchored default setup bearers - Emergency Un-authorized IMSI	Increments when established GGSN-anchored emergency unauthorized IMSI default bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-only-imei-def	INT32	Incremental	active	GGSN-anchored default setup bearers - Emergency only IMEI	Increments when established GGSN-anchored emergency only IMEI default bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-ue-init-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - UE initiated	Increments when established GGSN-anchored ue initiated dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-nw-init-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - Network initiated	Increments when established GGSN-anchored network initiated dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - Emergency	Increments when established GGSN-anchored emergency dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-auth-imsi-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - Emergency Authorized IMSI	Increments when established GGSN-anchored emergency authorized IMSI dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-unauth-imsi-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - Emergency Un-authorized IMSI	Increments when established GGSN-anchored emergency unauthorized IMSI dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearset-emergency-only-imei-ded	INT32	Incremental	active	GGSN-anchored dedicated setup bearers - Emergency only IMEI	Increments when established GGSN-anchored emergency only IMEI dedicated bearer request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdefadmin	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Default Admin disconnect	Increments when a GGSN-anchored default bearer is deleted due to admin disconnect	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdefgtp	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Default GTP-U error ind	Increments when a GGSN-anchored default bearer is deleted due to gtp-u error ind	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdefsgw	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Default S-GW Path failure	Increments when a GGSN-anchored default bearer is deleted due to s-gw path failure	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearrel-nwdefs4sgsn	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Default S4 SGSN Path failure	Increments when a GGSN-anchored default bearer is deleted due to s4 sgsn path failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdefmme	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Default MME initiated release	Increments when a GGSN-anchored default bearer is deleted due to mme initiated release	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdedadmin	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated Admin disconnect	Increments when a GGSN-anchored dedicated bearer is deleted due to admin disconnect	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdedgtp	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated GTP-U error ind	Increments when a GGSN-anchored dedicated bearer is deleted due to gtp-u error ind	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdedmme	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated MME initiated release	Increments when a GGSN-anchored dedicated bearer is deleted due to mme initiated release	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdeddefbear	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated Default bearer release	Increments when a GGSN-anchored dedicated bearer is deleted due to default bearer release	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdedgxdisc	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated GX Disconnect	Increments when a GGSN-anchored dedicated bearer is deleted due to gx disconnect	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrel-nwdeds4sgsn	INT32	Incremental	active	GGSN-anchored session stats - Total bearers released - Network Dedicated S4 SGSN Path failure	Increments when a GGSN-anchored dedicated bearer is deleted due to s4 sgsn path failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrelfail-def	INT32	Incremental	active	GGSN-anchored session stats - Total bearers release failure - Default bearers	Increments when a GGSN-anchored default bearer release fail	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrelfail-ded	INT32	Incremental	active	GGSN-anchored session stats - Total bearers release failure - Dedicated bearers	Increments when a GGSN-anchored dedicated bearer release fail	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-def	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Default bearers	Increments when a GGSN-anchored default bearer rejected	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-ded	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Dedicated bearers	Increments when a GGSN-anchored dedicated bearer rejected	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-emergency-def	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Default bearers - Emergency	Increments when a GGSN-anchored emergency default bearer rejected	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-emergency-ded	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Dedicated bearers - Emergency	Increments when a GGSN-anchored emergency dedicated bearer rejected	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - No Resource	Increments when a GGSN-anchored default bearer rejected reason No Resource	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearrej-uereq	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - UE-req reject	Increments when a GGSN-anchored default bearer rejected reason UE-req reject	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-uereq-nores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - UE-req reject - No Resource	Increments when a GGSN-anchored default bearer rejected reason UE-req reject - No Resource	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-misapn	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Missing or unknown APN	Increments when a GGSN-anchored default bearer rejected reason Missing or unknown APN	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nwreq	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Network-req reject	Increments when a GGSN-anchored default bearer rejected reason Network-req reject	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nwreq-nores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Network-req reject - No Resource	Increments when a GGSN-anchored default bearer rejected reason Network-req reject - No Resource	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nwreq-nomem	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Network-req reject - No memory available	Increments when a GGSN-anchored default bearer rejected reason Network-req reject - No memory available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nwreq-sysfail	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Network-req reject - System failure	Increments when a GGSN-anchored default bearer rejected reason Network-req reject - System failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-apnmode	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - APN selection - Mode mismatch	Increments when a GGSN-anchored default bearer rejected reason APN selection - Mode mismatch	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-pdn	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Pref PDN-Type not supported	Increments when a GGSN-anchored default bearer rejected reason Pref PDN-Type not supported	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-apnrestr	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - APN restr violation	Increments when a GGSN-anchored default bearer rejected reason APN restr violation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-subsauth	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Subs auth failed	Increments when a GGSN-anchored default bearer rejected reason Subs auth failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-subsaddrnotallow	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Subs static address not allowed	Increments when a GGSN-anchored default bearer rejected reason Subs static address not allowed	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-subsaddrnotalloc	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Subs static address not allocated	Increments when a GGSN-anchored default bearer rejected reason Subs static address not allocated	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearrej-dynaddrnotalloc	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Dynamic address not allocated	Increments when a GGSN-anchored default bearer rejected reason Dynamic address not allocated	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-subsaddrnotpres	INT32	Incremental	active	GGSN-anchored session stats - Total bearers rejected - Subs static address not present	Increments when a GGSN-anchored default bearer rejected reason Subs static address not present	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-ueinit	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - UE-initiated modification	Increments when a GGSN-anchored bearer updated due to ue initiated procedure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-nwinit	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated modification	Increments when a GGSN-anchored bearer updated due to network initiated procedure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-ueqos	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - UE-initiated QOS modification	Increments when a GGSN-anchored bearer updated due to UE-initiated QOS modification	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-uetft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - UE-initiated TFT modification	Increments when a GGSN-anchored bearer updated due to UE-initiated TFT modification	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-nwqos	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated QOS modification	Increments when a GGSN-anchored bearer updated due to Network-initiated QOS modification	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmod-nwtft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated TFT modification	Increments when a GGSN-anchored bearer updated due to Network-initiated TFT modification	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-ueinit	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated modification failed	Increments when a GGSN-anchored bearer modification fail due to UE-initiated modification failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwinit	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated modification failed	Increments when a GGSN-anchored bearer modification fail due to Network-initiated modification failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-uenores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated No resources available	Increments when a GGSN-anchored bearer modification fail due to UE-initiated No resources available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-uesemtft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated Semantic error in TFT operation	Increments when a GGSN-anchored bearer modification fail due to UE-initiated Semantic error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-uesyntft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated Syntactic error in TFT operation	Increments when a GGSN-anchored bearer modification fail due to UE-initiated Syntactic error in TFT operation	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearmodfail-uesempkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated Semantic error in packet filter	Increments when a GGSN-anchored bearer modification fail due to UE-initiated Semantic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-uesynpkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - UE-initiated Syntactic error in packet filter	Increments when a GGSN-anchored bearer modification fail due to UE-initiated Syntactic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwnores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated No resources available	Increments when a GGSN-anchored bearer modification fail due to Network-initiated No resources available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwnomem	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated No memory available	Increments when a GGSN-anchored bearer modification fail due to Network-initiated No memory available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwsysfail	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated System failure	Increments when a GGSN-anchored bearer modification fail due to Network-initiated System failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwsemtft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated Semantic error in TFT operation	Increments when a GGSN-anchored bearer modification fail due to Network-initiated Semantic error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwsyntft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated Syntact error in TFT operation	Increments when a GGSN-anchored bearer modification fail due to Network-initiated Syntact error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwsempkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated Semantic error in packet filter	Increments when a GGSN-anchored bearer modification fail due to Network-initiated Semantic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-nwsynpkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modification failure - Network-initiated Syntactic error in packet filter	Increments when a GGSN-anchored bearer modification fail due to Network-initiated Syntactic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-uenores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - UE-initiated No resource available	Increments when a GGSN-anchored bearer QOS modification fail due to UE-initiated No resource available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-uesemtft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - UE-initiated Semantic error in TFT operation	Increments when a GGSN-anchored bearer QOS modification fail due to UE-initiated Semantic error in TFT operation	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearmodfail-qos-uesyntft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - UE-initiated Syntactic error in TFT operation	Increments when a GGSN-anchored bearer QOS modification fail due to UE-initiated Syntactic error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-uesempkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - UE-initiated Semantic error in packet filter	Increments when a GGSN-anchored bearer QOS modification fail due to UE-initiated Semantic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-uesynpkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - UE-initiated Syntactic error in packet filter	Increments when a GGSN-anchored bearer QOS modification fail due to UE-initiated Syntactic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwnores	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated No resources available	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated No resources available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwnomem	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated No memory available	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated No memory available	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwsysfail	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated System failure	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated System failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwsemtft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated Semantic error in TFT operation	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated Semantic error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwsyntft	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated Syntactic error in TFT operation	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated Syntactic error in TFT operation	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwsempkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated Semantic error in packet filter	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated Semantic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearmodfail-qos-nwsynpkt	INT32	Incremental	active	GGSN-anchored session stats - Total bearers QOS modification failure - Network-initiated Syntactic error in packet filter	Increments when a GGSN-anchored bearer QOS modification fail due to Network-initiated Syntactic error in packet filter	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-beardel	INT32	Incremental	active	GGSN-anchored session stats - Total bearers deleted.	Increments when a GGSN-anchored bearer is deleted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-nw-init-qos-update-att	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated QOS modification Attempted	Increments when a GGSN-anchored bearer modified due to Network-initiated QOS modification Attempted	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-nw-init-no-qos-update-att	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated No QOS modification Attempted	Increments when a GGSN-anchored bearer modified due to Network-initiated No QOS modification Attempted	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-nw-init-bearer-fail-cause	INT32	Incremental	active	GGSN-anchored session stats - Total bearers modified - Network-initiated bearer failure cause	Increments when a GGSN-anchored bearer modification fail due to Network-initiated bearer failure cause	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipv4addaloc	INT32	Incremental	active	GGSN-anchored session stats - IPv4 address allocation stats	Increments when a GGSN-anchored IPv4 address allocation success	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipaddaloc-ipv4loacalpool	INT32	Incremental	active	GGSN-anchored session stats - IP address allocation stats - IPv4 Local pool address assign	Increments when a GGSN-anchored IPv4 address allocation success for IPv4 local pool address assign	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipaddaloc-ipv4staticaddr	INT32	Incremental	active	GGSN-anchored session stats - IP address allocation stats - - IPv4 Static address assign	Increments when a GGSN-anchored IPv4 address allocation success for IPv4 Static address assign	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipaddaloc-ipv4radaddr	INT32	Incremental	active	GGSN-anchored session stats - IP address allocation stats - IPv4 Radius provided address assign	Increments when a GGSN-anchored IPv4 address allocation success for IPv4 Radius provided address assign	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipv6addaloc	INT32	Incremental	active	GGSN-anchored session stats - IPv6 address allocation stats	Increments when a GGSN-anchored IPv6 address allocation success	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-ipaddaloc-ipv6auto	INT32	Incremental	active	GGSN-anchored session stats - IP address allocation stats - IPv6 Stateless auto configuration	Increments when a GGSN-anchored IPv6 address allocation success for IPv6 Stateless auto configuration	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-homesubact	INT32	Gauge	active	GGSN-anchored Subscriber PLMN Stats - Home subscribers sessions active	Increments when GGSN-anchored home subscribers session is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-homesubsetup	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Home subscribers sessions setup	Increments when established GGSN-anchored home subscribers session request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-homesubrel	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Home subscribers sessions released	Increments when release GGSN-anchored home subscribers session request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-roamsubact	INT32	Gauge	active	GGSN-anchored Subscriber PLMN Stats - Roaming subscribers sessions active	Increments when GGSN-anchored roaming subscribers session is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-roamsubsetup	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Roaming subscribers sessions setup	Increments when established GGSN-anchored roaming subscribers session request is received	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subplmnstat-roamsubrel	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Roaming subscribers sessions released	Increments when release GGSN-anchored roaming subscribers session request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-visitsubact	INT32	Gauge	active	GGSN-anchored Subscriber PLMN Stats - Visiting subscribers sessions active	Increments when GGSN-anchored visiting subscribers session is created	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-visitsubsetup	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Visiting subscribers sessions setup	Increments when established GGSN-anchored visiting subscribers session request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-subplmnstat-visitsubrel	INT32	Incremental	active	GGSN-anchored Subscriber PLMN Stats - Visiting subscribers sessions released	Increments when release GGSN-anchored visiting subscribers session request is received	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-intersgsnatt	INT32	Incremental	active	GGSN-anchored Handover stats - inter SGSN attempted	Increments when a GGSN-anchored inter SGSN handover attempted	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-intersgsnsucc	INT32	Incremental	active	GGSN-anchored Handover stats - inter SGSN succeeded	Increments when a GGSN-anchored inter SGSN handover succeeded	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-intersgsnfail	INT32	Incremental	active	GGSN-anchored Handover stats - inter SGSN failed	Increments when a GGSN-anchored inter SGSN handover failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-gngptolteatt	INT32	Incremental	active	GGSN-anchored Handover stats - GNGP to LTE attempted	Increments when a GGSN-anchored GNGP to LTE handover attempted	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-gngptoltesucc	INT32	Incremental	active	GGSN-anchored Handover stats - GNGP to LTE succeeded	Increments when a GGSN-anchored GNGP to LTE handover succeeded	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-gngptoltefail	INT32	Incremental	active	GGSN-anchored Handover stats - GNGP to LTE failed	Increments when a GGSN-anchored GNGP to LTE handover failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-ltetogngpatt	INT32	Incremental	active	GGSN-anchored Handover stats - LTE to GNGP attempted	Increments when a GGSN-anchored LTE to GNGP handover attempted	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-ltetogngpsucc	INT32	Incremental	active	GGSN-anchored Handover stats - LTE to GNGP succeeded	Increments when a GGSN-anchored LTE to GNGP handover succeeded	Per SAEGW Service	Standard
saegw	saegw-ggsn-handoverstat-ltetogngpfail	INT32	Incremental	active	GGSN-anchored Handover stats - LTE to GNGP failed	Increments when a GGSN-anchored LTE to GNGP handover failed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci1	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 1	Increments/decrements respectively on creation/deletion of bearer for QCI-1	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci2	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 2	Increments/decrements respectively on creation/deletion of bearer for QCI-2	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci3	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 3	Increments/decrements respectively on creation/deletion of bearer for QCI-3	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subqosstat-bearact-qci4	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 4	Increments/decrements respectively on creation/deletion of bearer for QCI-4	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci5	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 5	Increments/decrements respectively on creation/deletion of bearer for QCI-5	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci6	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 6	Increments/decrements respectively on creation/deletion of bearer for QCI-6	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci7	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 7	Increments/decrements respectively on creation/deletion of bearer for QCI-7	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci8	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 8	Increments/decrements respectively on creation/deletion of bearer for QCI-8	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci9	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - QCI 9	Increments/decrements respectively on creation/deletion of bearer for QCI-9	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci65	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 65 become active for a GGSN. Decrements when a bearer with QCI 65 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci66	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 66 become active for a GGSN. Decrements when a bearer with QCI 66 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci69	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 69 become active for a GGSN. Decrements when a bearer with QCI 69 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci70	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 70 become active for a GGSN. Decrements when a bearer with QCI 70 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subqosstat-bearact-qcinongbr	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - Non-Std QCI (Non-GBR)	Increments/decrements respectively on creation/deletion of bearer for Non-Std QCI (Non-GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qcigbr	INT32	Gauge	active	GGSN-anchored Subscriber QoS Stats - Total bearers active - Non-Std QCI (GBR)	Increments/decrements respectively on creation/deletion of bearer for Non-Std QCI (GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci1	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 1	Increments when a bearer is created for QCI-1	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci2	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 2	Increments when a bearer is created for QCI-2	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci3	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 3	Increments when a bearer is created for QCI-3	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci4	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 4	Increments when a bearer is created for QCI-4	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci5	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 5	Increments when a bearer is created for QCI-5	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci6	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 6	Increments when a bearer is created for QCI-6	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci7	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 7	Increments when a bearer is created for QCI-7	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci8	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 8	Increments when a bearer is created for QCI-8	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci9	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - QCI 9	Increments when a bearer is created for QCI-9	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci65	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 65 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci66	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 66 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci69	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 69 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci70	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 70 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - Non-Std QCI (Non-GBR)	Increments when a bearer is created for Non-Std QCI (Non GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers setup - Non-Std QCI (GBR)	Increments when a bearer is created for Non-Std QCI (GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci1	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 1	Increments when a bearer is released for QCI-1	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci2	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 2	Increments when a bearer is released for QCI-2	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci3	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 3	Increments when a bearer is released for QCI-3	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subqosstat-bearrel-qci4	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 4	Increments when a bearer is released for QCI-4	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci5	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 5	Increments when a bearer is released for QCI-5	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci6	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 6	Increments when a bearer is released for QCI-6	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci7	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 7	Increments when a bearer is released for QCI-7	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci8	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 8	Increments when a bearer is released for QCI-8	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci9	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - QCI 9	Increments when a bearer is released for QCI-9	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci65	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 65 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci66	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 66 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci69	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 69 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci70	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 70 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - Non-Std QCI (Non-GBR)	Increments when a bearer is released for Non-Std QCI (Non-GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber QoS Stats - Total bearers released - Non-Std QCI (GBR)	Increments when a bearer is released for Non-Sdt QCI (GBR)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulpktfwd	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink packets forwarded	Increment when uplink data packet forwarded	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 1	Increment when uplink data packet forwarded for QCI-1 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 2	Increment when uplink data packet forwarded for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 3	Increment when uplink data packet forwarded for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 4	Increment when uplink data packet forwarded for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 5	Increment when uplink data packet forwarded for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 6	Increment when uplink data packet forwarded for QCI-6 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 7	Increment when uplink data packet forwarded for QCI-7 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 8	Increment when uplink data packet forwarded for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - QCI 9	Increment when uplink data packet forwarded for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 65 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 66 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 69 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 70 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Std QCI (Non-GBR)	Increment when uplink data packet forwarded for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Std QCI (GBR)	Increment when uplink data packet forwarded for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Non-Std QCI (Non-GBR)	Increment when uplink data packet forwarded for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Non-Std QCI (GBR)	Increment when uplink data packet forwarded for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Total GBR	Increment when uplink data packet forwarded for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets forwarded - Total Non-GBR	Increment when uplink data packet forwarded for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulbytefwd	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded	Increment by bytes when uplink data packet forwarded	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 1	Increment by bytes when uplink data packet forwarded for QCI-1 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 2	Increment by bytes when uplink data packet forwarded for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 3	Increment by bytes when uplink data packet forwarded for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 4	Increment by bytes when uplink data packet forwarded for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 5	Increment by bytes when uplink data packet forwarded for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 6	Increment by bytes when uplink data packet forwarded for QCI-6 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 7	Increment by bytes when uplink data packet forwarded for QCI-7 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 8	Increment by bytes when uplink data packet forwarded for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes forwarded - QCI 9	Increment by bytes when uplink data packet forwarded for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 65 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 66 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 69 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 70 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Std QCI (Non-GBR)	Increment by bytes when uplink data packet forwarded for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytefwd-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Std QCI (GBR)	Increment by bytes when uplink data packet forwarded for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Non-Std QCI (Non-GBR)	Increment by bytes when uplink data packet forwarded for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Non-Std QCI (GBR)	Increment by bytes when uplink data packet forwarded for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Total GBR	Increment by bytes when uplink data packet forwarded for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes forwarded - Total Non-GBR	Increment by bytes when uplink data packet forwarded for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlpktfwd	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets forwarded	Increment when downlink data packet forwarded	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 1	Increment when downlink data packet forwarded for QCI-1 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 2	Increment when downlink data packet forwarded for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 3	Increment when downlink data packet forwarded for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 4	Increment when downlink data packet forwarded for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 5	Increment when downlink data packet forwarded for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 6	Increment when downlink data packet forwarded for QCI-6 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 7	Increment when downlink data packet forwarded for QCI-7 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 8	Increment when downlink data packet forwarded for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - QCI 9	Increment when downlink data packet forwarded for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 65 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 66 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 69 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 70 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Std QCI (Non-GBR)	Increment when downlink data packet forwarded for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Std QCI (GBR)	Increment when downlink data packet forwarded for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Non-Std QCI (Non-GBR)	Increment when downlink data packet forwarded for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Non-Std QCI (GBR)	Increment when downlink data packet forwarded for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Total GBR	Increment when downlink data packet forwarded for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets forwarded - Total Non-GBR	Increment when downlink data packet forwarded for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlbytefwd	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes forwarded	Increment by bytes when downlink data packet forwarded	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 1	Increment by bytes when downlink data packet forwarded for QCI-1 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 2	Increment by bytes when downlink data packet forwarded for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 3	Increment by bytes when downlink data packet forwarded for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 4	Increment by bytes when downlink data packet forwarded for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 5	Increment by bytes when downlink data packet forwarded for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 6	Increment by bytes when downlink data packet forwarded for QCI-6 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 7	Increment by bytes when downlink data packet forwarded for QCI-7 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 8	Increment by bytes when downlink data packet forwarded for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - QCI 9	Increment by bytes when downlink data packet forwarded for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-65 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-66 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-69 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-70 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Std QCI (Non-GBR)	Increment by bytes when downlink data packet forwarded for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Std QCI (GBR)	Increment by bytes when downlink data packet forwarded for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Non-Std QCI (Non-GBR)	Increment by bytes when downlink data packet forwarded for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Non-Std QCI (GBR)	Increment by bytes when downlink data packet forwarded for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Total GBR	Increment by bytes when downlink data packet forwarded for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes forwarded - Total NON-GBR	Increment by bytes when downlink data packet forwarded for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulpktdrop	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink packets dropped	Increment when uplink data packet dropped	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 1	Increment when uplink data packet dropped for QCI-1 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 2	Increment when uplink data packet dropped for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 3	Increment when uplink data packet dropped for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 4	Increment when uplink data packet dropped for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 5	Increment when uplink data packet dropped for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 6	Increment when uplink data packet dropped for QCI-6 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 7	Increment when uplink data packet dropped for QCI-7 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 8	Increment when uplink data packet dropped for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats -Uplink packets dropped - QCI 9	Increment when uplink data packet dropped for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 65 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 66 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 69 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 70 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Std QCI (Non-GBR)	Increment when uplink data packet dropped for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Std QCI (GBR)	Increment when uplink data packet dropped for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Non-Std QCI (Non-GBR)	Increment when uplink data packet dropped for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Non-Std QCI (GBR)	Increment when uplink data packet dropped for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulpktdrop-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Total GBR	Increment when uplink data packet dropped for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets dropped - Total NON-GBR	Increment when uplink data packet dropped for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulbytedrop	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes dropped	Increment by number of bytes in packet when uplink data packet dropped	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 1	Increment by number of bytes in packet when uplink data packet dropped for QCI-1 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 2	Increment by number of bytes in packet when uplink data packet dropped for QCI-2 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 3	Increment by number of bytes in packet when uplink data packet dropped for QCI-3 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 4	Increment by number of bytes in packet when uplink data packet dropped for QCI-4 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 5	Increment by number of bytes in packet when uplink data packet dropped for QCI-5 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 6	Increment by number of bytes in packet when uplink data packet dropped for QCI-6 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 7	Increment by number of bytes in packet when uplink data packet dropped for QCI-7 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 8	Increment by number of bytes in packet when uplink data packet dropped for QCI-8 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - QCI 9	Increment by number of bytes in packet when uplink data packet dropped for QCI-9 bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 65 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 66 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 69 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 70 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Std QCI (Non-GBR)	Increment by number of bytes in packet when uplink data packet dropped for Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Std QCI (GBR)	Increment by number of bytes in packet when uplink data packet dropped for Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Non-Std QCI (Non-GBR)	Increment by number of bytes in packet when uplink data packet dropped for Non-Std QCI (Non-GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Non-Std QCI (GBR)	Increment by number of bytes in packet when uplink data packet dropped for Non-Std QCI (GBR) bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Total GBR	Increment by number of bytes in packet when uplink data packet dropped for GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes dropped - Total Non-GBR	Increment by number of bytes in packet when uplink data packet dropped for Non-GBR bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlpktdrop	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets dropped	Increment when a downlink packet drops	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 1	Increment when a downlink packet drops for a QCI1 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 2	Increment when a downlink packet drops for a QCI2 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 3	Increment when a downlink packet drops for a QCI3 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 4	Increment when a downlink packet drops for a QCI4 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 5	Increment when a downlink packet drops for a QCI5 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 6	Increments when a downlink packet drops for a QCI6 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 7	Increments when a downlink packet drops for a QCI7 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 8	Increments when a downlink packet drops for a QCI8 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - QCI 9	Increments when a downlink packet drops for a QCI9 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Std QCI (Non-GBR)	Increments when a downlink packet drops for a Standard QCI Non-GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktdrop-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Std QCI (GBR)	Increments when a downlink packet drops for a Standard QCI GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Non-Std QCI (Non-GBR)	Increments when a downlink packet drops for a Non-Standard QCI Non-GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Non-Std QCI (GBR)	Increments when a downlink packet drops for a Non-Standard QCI GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Total GBR	Increments when a downlink packet drops for a GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets dropped - Total Non-GBR	Increments when a downlink packet drops for a Non-GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlbytedrop	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes dropped	Increments when a downlink packet drops for a SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 1	Increments when a downlink packet drops for a QCI1 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 2	Increments when a downlink packet drops for a QCI2 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 3	Increments when a downlink packet drops for a QCI3 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 4	Increments when a downlink packet drops for a QCI4 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 5	Increments when a downlink packet drops for a QCI5 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 6	Increments when a downlink packet drops for a QCI6 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 7	Increments when a downlink packet drops for a QCI7 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 8	Increments when a downlink packet drops for a QCI8 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - QCI 9	Increments when a downlink packet drops for a QCI9 SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Std QCI (Non-GBR)	Increments when a downlink packet drops for a Standard QCI Non-GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Std QCI (GBR)	Increments when a downlink packet drops for a Standard QCI GBR SAEGW-Anchored GGSN bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Non-Std QCI (Non-GBR)	Increments when a downlink packet drops for a Non Standard QCI Non GBR SAEGW-Anchored GGSN Bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Non-Std QCI (GBR)	Increments when a downlink packet drops for a Non Standard QCI GBR SAEGW-Anchored GGSN Bearer	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Total GBR	Increments when GGSN-anchored Subscriber downlink GBR data packet drop	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytedrop-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes dropped - Total Non-GBR	Increments when GGSN-anchored Subscriber downlink Non-GBR data packet drop	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulpktdropmbrexc	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink packets Drop MBR exceed	Increments when GGSN-anchored Subscriber uplink data packets drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 1	Increments when GGSN-anchored Subscriber uplink data packets for QCI 1 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 2	Increments when GGSN-anchored Subscriber uplink data packets for QCI 2 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 3	Increments when GGSN-anchored Subscriber uplink data packets for QCI 3 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 4	Increments when GGSN-anchored Subscriber uplink data packets for QCI 4 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 5	Increments when GGSN-anchored Subscriber uplink data packets for QCI 5 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 6	Increments when GGSN-anchored Subscriber uplink data packets for QCI 6 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 7	Increments when GGSN-anchored Subscriber uplink data packets for QCI 7 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 8	Increments when GGSN-anchored Subscriber uplink data packets for QCI 8 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - QCI 9	Increments when GGSN-anchored Subscriber uplink data packets for QCI 9 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 66	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Std QCI (Non-GBR	Increments when GGSN-anchored Subscriber uplink data packets for Std QCI Non-GBR Bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Std QCI (GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Std QCI (GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Non-Std QCI (Non-GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Non-Std QCI (Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Non-Std QCI (GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Non-Std QCI(GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Total GBR	Increments when GGSN-anchored Subscriber uplink data packets for GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink packets Drop MBR exceed - Total Non-GBR	Increments when GGSN-anchored Subscriber uplink data packets for Non-GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totulbytedropmbrexc	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Uplink bytes Drop MBR exceed	Increments when GGSN-anchored Subscriber uplink data packets drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 1	Increments when GGSN-anchored Subscriber uplink data packets for QCI 1 bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 2	Increments when GGSN-anchored Subscriber uplink data packets for QCI 2 drop due to MBR exceed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 3	Increments when GGSN-anchored Subscriber uplink data packets for QCI 3 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 4	Increments when GGSN-anchored Subscriber uplink data packets for QCI 4 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 5	Increments when GGSN-anchored Subscriber uplink data packets for QCI 5 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 6	Increments when GGSN-anchored Subscriber uplink data packets for QCI 6 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 7	Increments when GGSN-anchored Subscriber uplink data packets for QCI 7 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 8	Increments when GGSN-anchored Subscriber uplink data packets for QCI 8 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - QCI 9	Increments when GGSN-anchored Subscriber uplink data packets for QCI 9 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 66 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 69 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 69	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 70 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 70	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Std QCI (Non-GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Std QCI (Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Std QCI (GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Std QCI (GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Non-Std QCI (Non-GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Non-Std QCI (Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Non-Std QCI (GBR)	Increments when GGSN-anchored Subscriber uplink data packets for Non-Std QCI (GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Total GBR	Increments when GGSN-anchored Subscriber uplink data packets for GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Uplink bytes Drop MBR exceed - Total Non-GBR	Increments when GGSN-anchored Subscriber uplink data packets for Non-GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlpktdropmbrexc	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed	Increments when GGSN-anchored Subscriber downlink data packets for bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci1	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 1	Increments when GGSN-anchored Subscriber downlink data packets for QCI 1 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci2	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 2	Increments when GGSN-anchored Subscriber downlink data packets for QCI 2 drop due to MBR exceed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci3	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 3	Increments when GGSN-anchored Subscriber downlink data packets for QCI 3 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci4	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 4	Increments when GGSN-anchored Subscriber downlink data packets for QCI 4 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci5	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 5	Increments when GGSN-anchored Subscriber downlink data packets for QCI 5 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci6	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 6	Increments when GGSN-anchored Subscriber downlink data packets for QCI 6 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci7	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 7	Increments when GGSN-anchored Subscriber downlink data packets for QCI 7 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci8	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 8	Increments when GGSN-anchored Subscriber downlink data packets for QCI 8 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci9	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink packets Drop MBR exceed - QCI 9	Increments when GGSN-anchored Subscriber downlink data packets for QCI 9 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci65	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 65 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci66	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 66 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 66	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci69	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 69 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 69	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci70	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 70 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 70	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-stdqcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Std QCI (Non-GBR	Increments when GGSN-anchored Subscriber downlink data packets for Std QCI (Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-stdqcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Std QCI (GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Std QCI (GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qcinongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Non-Std QCI (Non-GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Non-Std QCI (Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qcigbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Non-Std QCI (GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Non-Std QCI(GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-totgbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Total GBR	Increments when GGSN-anchored Subscriber downlink data packets for GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-totnongbr	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink packets Drop MBR exceed - Total Non-GBR	Increments when GGSN-anchored Subscriber downlink data packets for Non-GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-totdlbytedropmbrexc	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed	Increments when GGSN-anchored Subscriber downlink data packets for bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci1	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 1	Increments when GGSN-anchored Subscriber downlink data packets for QCI 1 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci2	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 2	Increments when GGSN-anchored Subscriber downlink data packets for QCI 2 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci3	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 3	Increments when GGSN-anchored Subscriber downlink data packets for QCI 3 drop due to MBR exceed	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci4	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 4	Increments when GGSN-anchored Subscriber downlink data packets for QCI 4 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci5	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 5	Increments when GGSN-anchored Subscriber downlink data packets for QCI 5 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci6	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 6	Increments when GGSN-anchored Subscriber downlink data packets for QCI 6 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci7	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 7	Increments when GGSN-anchored Subscriber downlink data packets for QCI 7 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci8	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 8	Increments when GGSN-anchored Subscriber downlink data packets for QCI 8 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci9	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Total Downlink bytes Drop MBR exceed - QCI 9	Increments when GGSN-anchored Subscriber downlink data packets for QCI 9 drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci65	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 65	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci66	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 66 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 66	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci69	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 69 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 69	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci70	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 70 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 70	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-stdqcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Std QCI (Non-GBR	Increments when GGSN-anchored Subscriber downlink data packets for Std QCI(Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-stdqcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Std QCI (GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Std QCI(GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qcinongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Non-Std QCI (Non-GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Non-Std QCI(Non-GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qcigbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Non-Std QCI (GBR)	Increments when GGSN-anchored Subscriber downlink data packets for Non-Std QCI(GBR) bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-totgbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Total GBR	Increments when GGSN-anchored Subscriber downlink data packets for GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-totnongbr	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - Downlink bytes Drop MBR exceed - Total Non-GBR	Increments when GGSN-anchored Subscriber downlink data packets for Non-GBR bearer drop due to MBR exceed	Per SAEGW Service	Standard
saegw	saegw-ggns-apnambrratelimit-ulpktdrop	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - APN AMBR Rate Limiting - Uplink Packets Drop	Increments when Uplink Packets for a SAEGW Anchored GGSN call due to APN AMBR Rate limiting	Per SAEGW Service	Standard
saegw	saegw-ggns-apnambrratelimit-dlpktdrop	INT32	Incremental	active	GGSN-anchored Subscriber Data Stats - APN AMBR Rate Limiting - Downlink Packets Drop	Increments when Downlink Packets for a SAEGW Anchored GGSN call due to APN AMBR Rate limiting	Per SAEGW Service	Standard
saegw	saegw-ggns-apnambrratelimit-ulbytedrop	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - APN AMBR Rate Limiting - Uplink Bytes Drop	Increments when Uplink Packets for a SAEGW Anchored GGSN call due to APN AMBR Rate limiting	Per SAEGW Service	Standard
saegw	saegw-ggns-apnambrratelimit-dlbytedrop	INT64	Incremental	active	GGSN-anchored Subscriber Data Stats - APN AMBR Rate Limiting - Downlink Bytes Drop	Increments when Downlink Packets for a SAEGW Anchored GGSN call due to APN AMBR Rate limiting	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-bearrej-nores-s6brad-ip	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: S6b/Radius IP validation failed.	Increments when a create session response is denied due to S6b/Radius IP validation failure.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-ims-auth-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: IMS authorization failed.	Increments when a create session response is denied due to IMS authorization failure.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-chrgsvc-auth-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: Charging service authorization failed.	Increments when a create session response is denied due to Charging Service authorization failure.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-dhcp-ip-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: DHCP IP address not present.	Increments when a create session response is denied due to no DHCP IP address.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-setup-timeout	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: Session setup timeout.	Increments when a create session response is denied due to session setup timeout.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-aaa-auth-exceed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: AAA authentication failed.	Increments when a create session response is denied due to failure in AAA authentication.	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-no-sess-aaa	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: No session in AAA.	Increments when a create session response is denied due to no session in AAA	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-conflict-ip-addr	INT32	Incremental	active	Conflict in IP address: No resource reason:	Increments when a create session response is denied when there is a conflict in IP address	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-static-ip	INT32	Incremental	active	Conflict in IP address - No Resource Reason: Static IP not present.	Increments when a create session response is denied due to missing static IP address	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-msreq-invalid-ip	INT32	Incremental	active	Conflict in IP address - No Resource Reason: MS requested invalid IP address.	Increments when a create session response is denied when MS request invalid IP address	Per SAEGW Service	Standard
saegw	pgw-sessstat-bearrej-nores-other-reason	INT32	Incremental	active	Failed to assign IP address. No Resource Reason: Other reason.	Increments when a create session response is denied due to other reason	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-s6brad-ip	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: S6b/Radius IP validation failed.	Increments when CSReq for a SAEGW Anchored GGSN call is rejected due to S6B/Radius IP Validation failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-ims-auth-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: IMS authorization failed.	Increments when CSReq for a SAEGW Anchored GGSN call is rejected due to IMS Authorization failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-chrgsvc-auth-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: Charging service authorization failed.	Increments when CSReq for a SAEGW Anchored GGSN call is rejected due charging service authorization failure	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-sessstat-bearrej-nores-dhcp-ip-failed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: DHCP IP address not present.	Increments when CSReq for a SAEGW Anchored GGSN call gets rejected due to DHCP IP address allocation failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-setup-timeout	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: Session setup timeout.	Increments when CSReq for a SAEGW Anchored GGSN call gets rejected dur session setup timeout	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-aaa-auth-exceed	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: AAA authentication failed.	Increments when a SAEGW Anchored GGSN call gets rejected due to AAA Authentication Failure	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-no-sess-aaa	INT32	Incremental	active	Create Session Response Denied - No Resource Reason: No session in AAA.	Increments when a SAEGW Anchored GGSN call gets rejected due to no session being present in AAA	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-conflict-ip-addr	INT32	Incremental	active	Confilict in IP address: No resource reason:	Increments when a SAEGW Anchored GGSN call gets rejected with Reject Cause No Resources due to conflict in IP Address Assignment	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-static-ip	INT32	Incremental	active	Confilict in IP address - No Resource Reason: Static IP not present.	Increments when a SAEGW Anchored GGSN call gets rejected due to an Invalid static IP address request	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-msreq-invalid-ip	INT32	Incremental	active	Confilict in IP address - No Resource Reason: MS requested invalid IP address.	Increments when a SAEGW Anchored GGSN call gets rejected due to an invalid IP Address Request by MS	Per SAEGW Service	Standard
saegw	saegw-ggsn-sessstat-bearrej-nores-other-reason	INT32	Incremental	active	Confilict in IP address - No Resource Reason: Other reason.	Increments when a SAEGW Anchored GGSN call gets rejected with Reject Cause No Resources due to conflict in IP Address Assignment	Per SAEGW Service	Standard
saegw	saegw-setup-guard-timer-expired	INT32	Incremental	active	The number of times the SAEGW configurable setup guard timer has expired.	Increments when SAEGW configurable setup guard timer expires	Per SAEGW Service	Standard
saegw	pgw-subdatastat-totulpktfwd-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totdlpktfwd-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totulbytefwd-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totdlbytefwd-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totulpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totdlpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S5 Interface	Standard
saegw	pgw-subdatastat-totulbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S5 Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-totdlbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S5 Interface	Standard
saegw	pgw-apnambrratelimit-uppktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
saegw	pgw-apnambrratelimit-downpktdrop-s5	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
saegw	pgw-apnambrratelimit-upbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
saegw	pgw-apnambrratelimit-downbytedrop-s5	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S5 Interface	Standard
saegw	pgw-subdatastat-totulpktfwd-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totdlpktfwd-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totulbytefwd-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totdlbytefwd-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totulpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totdlpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totulbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S8 Interface	Standard
saegw	pgw-subdatastat-totdlbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S8 Interface	Standard
saegw	pgw-apnambrratelimit-uppktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard
saegw	pgw-apnambrratelimit-downpktdrop-s8	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard
saegw	pgw-apnambrratelimit-upbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S8 Interface	Standard
saegw	pgw-apnambrratelimit-downbytedrop-s8	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APNAMBR rate-limit	S8 Interface	Standard
saegw	pgw-subdatastat-totulpktfwd-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totdlpktfwd-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totulbytefwd-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S2A Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-totdlbytefwd-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totulpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totdlpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totulbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S2A Interface	Standard
saegw	pgw-subdatastat-totdlbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S2A Interface	Standard
saegw	pgw-apnambrratelimit-uppktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
saegw	pgw-apnambrratelimit-downpktdrop-s2a	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
saegw	pgw-apnambrratelimit-upbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
saegw	pgw-apnambrratelimit-downbytedrop-s2a	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2A Interface	Standard
saegw	pgw-subdatastat-totulpktfwd-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets forwarded	Increments when data is received by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totdlpktfwd-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets forwarded	Increments when data is sent by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totulbytefwd-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes forwarded	Increments when data is received by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totdlbytefwd-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes forwarded	Increments when data is sent by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totulpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped	Increments when data received is dropped by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totdlpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped	Increments when data sent is dropped by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totulbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped	Increments when data received is dropped by PGW	S2B Interface	Standard
saegw	pgw-subdatastat-totdlbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped	Increments when data sent is dropped by PGW	S2B Interface	Standard
saegw	pgw-apnambrratelimit-uppktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Uplink packets dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
saegw	pgw-apnambrratelimit-downpktdrop-s2b	INT32	Incremental	active	Interface Data Statistics -Downlink packets dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
saegw	pgw-apnambrratelimit-upbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Uplink bytes dropped due to APN AMBR rate-limit	Increments when data received is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-apnambrratelimit-downbytedrop-s2b	INT64	Incremental	active	Interface Data Statistics -Downlink bytes dropped due to APN AMBR rate-limit	Increments when data sent is dropped by PGW due to APN AMBR rate-limit	S2B Interface	Standard
saegw	pgw-sessstat-nonstdqci-nongbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW Anchored/GGSN Anchored non-GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW Anchored/GGSN Anchored non-GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per SAEGW Service	Standard
saegw	pgw-sessstat-nonstdqci-gbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW Anchored/GGSN Anchored GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW Anchored/GGSN Anchored GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per SAEGW Service	Standard
saegw	pgw-sessstat-stdqci-nongbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW Anchored/GGSN Anchored non-GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW Anchored/GGSN Anchored non-GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per SAEGW Service	Standard
saegw	pgw-sessstat-stdqci-gbr-bearrel-ded-idle-inact	INT32	Incremental	active	The total number of P-GW Anchored/GGSN Anchored GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a P-GW Anchored/GGSN Anchored GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per SAEGW Service	Standard
saegw	pgw-epdg-sel-ipv4-pco-req-rcvd	INT32	Incremental	active	The total number of DNS requests made to a SAE-GW in a PCO IE for IPv4 ePDG addresses.	Increments when a SAE-GW receives a request from a UE for IPv4 ePDG addresses in a PCO IE.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv4-pco-rsp-sent	INT32	Incremental	active	The total number of successful DNS responses sent by the SAE-GW in a PCO IE populated with IPv4 ePDG addresses.	Increments when a SAE-GW sends a response consisting of IPv4 ePDG addresses in a PCO IE.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv4-pco-rsp-fail-conf-absent	INT32	Incremental	active	The total number of unsuccessful responses for IPv4 ePDG addresses due to a missing FQDN configuration.	Increments when a SAE-GW fails to respond with IPv4 ePDG addresses in a PCO IE due to a missing FQDN configuration.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv4-pco-rsp-fail-dns-query-failed	INT32	Incremental	active	The total number of DNS queries for IPv4 ePDG addresses that failed or expired.	Increments when a SAE-GW fails to respond with IPv4 ePDG addresses in a PCO IE due to failed or expired DNS queries.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv6-pco-req-rcvd	INT32	Incremental	active	The total number of DNS requests made to a SAE-GW in a PCO IE for IPv6 ePDG addresses.	Increments when a SAE-GW receives a request from a UE for IPv6 ePDG addresses in a PCO IE.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv6-pco-rsp-sent	INT32	Incremental	active	The total number of successful DNS responses sent by the SAE-GW in a PCO IE populated with IPv6 ePDG addresses.	Increments when a SAE-GW sends a response consisting of IPv6 ePDG addresses in a PCO IE.	Per SAEGW	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-epdg-sel-ipv6-pco-rsp-fail-conf-absent	INT32	Incremental	active	The total number of unsuccessful responses for IPv6 ePDG addresses due to a missing FQDN configuration.	Increments when a SAE-GW fails to respond with IPv6 ePDG addresses in a PCO IE due to a missing FQDN configuration.	Per SAEGW	Proprietary
saegw	pgw-epdg-sel-ipv6-pco-rsp-fail-dns-query-failed	INT32	Incremental	active	The total number of DNS queries for IPv6 ePDG addresses that failed or expired.	Increments when a SAE-GW fails to respond with IPv6 ePDG addresses in a PCO IE due to failed or expired DNS queries.	Per SAEGW	Proprietary
saegw	pgw-sessstat-s6b-pcscf-recovery-count	INT32	Incremental	active	The total number of P-CSCF Restoration Required Indications received from the s6b AAA server through RAR for a WLAN.	Increments when an s6b RAR is received with a P-CSCF Restoration Indication, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pcrf-pcscf-recovery-count	INT32	Incremental	active	The total number of P-CSCF Restoration Required Indications received from the PCRF through a RAR.	Increments when a RAR is received from the PCRF for a P-CSCF Restoration Indication, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from an MME/S-GW.	Increments when a basic P-CSCF Restoration is performed for a restoration indication received from the MME/S-GW, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-s6b-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from an s6b AAA server through a RAR for a WLAN.	Increments when a basic P-CSCF Restoration is performed for an s6b RAR with a P-CSCF restoration indication, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pcrf-pcscf-recovery-basic-count	INT32	Incremental	active	The total number of basic P-CSCF Restorations performed for restoration indications received from a PCRF through a RAR.	Increments when a basic P-CSCF Restoration is performed for a P-CSCF Restoration Indication RAR received from a PCRF, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from an MME/S-GW.	Increments when a P-CSCF Restoration extension is performed for a restoration indication received from an MME/S-GW, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	pgw-sessstat-s6b-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from an s6b AAA server through a RAR for a WLAN.	Increments when a P-CSCF Restoration extension is performed for an s6b RAR with a P-CSCF restoration indication, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-sessstat-pcrf-pcscf-recovery-extension-count	INT32	Incremental	active	The total number of P-CSCF Restoration extension performed for restoration indications received from a PCRF through a RAR.	Increments when a P-CSCF Restoration extension is performed for a P-CSCF Restoration Indication RAR received from a PCRF, for PGW anchored/Collapsed PDNs.	Per SAEGW Service	Standard
saegw	ue-in-psm	INT32	Gauge	active	Number of UEs currently in eDRx mode	Increments when UE goes to eDRx mode and decrements when it moves out of eDRx	Per SAEGW Service	Standard
saegw	external-id-active-sessions	INT32	Gauge	active	Number of active sessions with external-id from s6b	Increments when an external-id is received from s6b and the session is successful.	Per SAEGW Service	Standard
saegw	external-id-total-sessions	INT64	Incremental	active	Number of total sessions with external-id from s6b	Increments when an external-id is received from s6b and the session is successful.	Per SAEGW Service	Standard
saegw	pgw-sessstat-rej-pdn-backofftimer	INT32	Incremental	active	Number of LAPI (Low Access Priority Indicator) PDN sessions that are rejected due to overload (e.g. M2M sessions).	Incremented when Create Session Request is received with Signal Priority IE or PDN is configured as LAPI (Low Access Priority Indicator) and system is in overload state and Backoff timer is configured for the APN(s).	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2bgtpsucc-timerexpiry	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2b successful handover on Timer Expiry	Increments when LTE to GTP S2b handover is succeeded upon Timer Expiry, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	pgw-handoverstat-ltetos2bgtpsucc-uplnkdata	INT32	Incremental	active	P-GW Handover Statistics - Number of LTE to GTP S2b successful handover on Uplink Data on S2b tunnel	Increments when LTE to GTP S2b handover is succeeded upon Uplink Data on S2b tunnel, for PGW anchored/GGSN anchored/Collapsed PDN	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci80	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 80 on the S-GW (part of SAEGW).	Increments when a QCI 80 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci82	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 82 on the S-GW (part of SAEGW).	Increments when a QCI 82 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearact-qci83	INT32	Gauge	active	The total number of EPS Bearers Active with a QCI 83 on the S-GW (part of SAEGW).	Increments when a QCI 83 bearer is created and decrements when it is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci80	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 80 on the S-GW (part of SAEGW).	Increments when a QCI 80 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearset-qci82	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 82 on the S-GW (part of SAEGW).	Increments when a QCI 82 bearer is setup.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearset-qci83	INT32	Incremental	active	The total number of EPS Bearers Setup with a QCI 83 on the S-GW (part of SAEGW).	Increments when a QCI 83 bearer is setup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci80	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 80 on the S-GW (part of SAEGW).	Increments when a QCI 80 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci82	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 82 on the S-GW (part of SAEGW).	Increments when a QCI 82 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-qci83	INT32	Incremental	active	The total number of EPS Bearers Released with a QCI 83 on the S-GW (part of SAEGW).	Increments when a QCI 83 EPS bearer is released.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci80	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 80 on the S-GW (part of SAEGW).	Increments when a QCI 80 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci82	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 82 on the S-GW (part of SAEGW).	Increments when a QCI 82 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearmod-qci83	INT32	Incremental	active	The total number of EPS Bearers Modified with a QCI 83 on the S-GW (part of SAEGW).	Increments when a QCI 83 EPS bearer is modified.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci80	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 80 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI80 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci82	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 82 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI82 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pgw-qci83	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 83 released with the reason P-GW initiated on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI83 is released with the reason P-GW initiated.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci80	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 80 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI80 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci82	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 82 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI82 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s1err-qci83	INT32	Incremental	active	The total number of dedicated EPS Bearers of QCI 83 released with the reason S1 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI83 is released with the reason S1 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI80 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI80 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI82 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI82 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s5err-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI83 released with the reason S5 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI83 is released with the reason S5 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI80 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI80 is released with the reason S4 error indication.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-s4err-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI82 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI82 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s4err-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI83 released with the reason S4 Error Indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI83 is released with the reason S4 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI80 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI80 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI82 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI82 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-s12err-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI83 released with the reason S12 error indication on the S-GW (as part of SAEGW).	Increments when dedicated EPS bearer of QCI83 is released with the reason S12 error indication.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 80 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 80 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 82 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 82 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-local-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 83 released with local reason on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 83 is released with local reason.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 80 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 80 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 82 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 82 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pdn-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 83 released due to PDN cleanup on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 83 is released due to PDN cleanup.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 80 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 80 is released with the reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 82 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 82 is released with the reason S1-U path failure.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s1-u-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 83 released with the reason S1-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 83 is released with the reason S1-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 80 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 80 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 82 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 82 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-u-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 83 released with the reason S5-U path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 83 is released with the reason S5-U path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci80	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 80 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 80 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci82	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 82 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 82 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s5-qci83	INT32	Incremental	active	The total number of dedicated EPS bearers of QCI 83 released with the reason S5 path failure on the S-GW (as part of SAEGW).	Increments when a dedicated EPS bearer of QCI 83 is released with the reason S5 path failure.	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 80 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 82 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s11-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to Path Failure on the S11 interface.	Increments when a dedicated bearer with QCI 83 is released due to a Path failure on the S11 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 80 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 82 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s12-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to Path Failure on S12 interface.	Increments when a dedicated bearer with QCI 83 is released due to a Path failure on S12 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 80 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 82 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-pathfail-s4-u-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to Path Failure on S4-U interface.	Increments when a dedicated bearer with QCI 83 is released due to a Path failure on S4-U interface	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 80 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 82 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-inactivity-timeout-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to the Inactivity Timeout	Increments when a dedicated bearer with QCI 83 is released due to the Inactivity Timeout	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci80	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 80 released due to Other reason.	Increments when a dedicated bearer with QCI 80 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci82	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 82 released due to Other reason.	Increments when a dedicated bearer with QCI 82 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-totepsbearrel-dedrsn-other-qci83	INT32	Incremental	active	The total number of Dedicated Bearers with QCI 83 released due to Other reason.	Increments when a dedicated bearer with QCI 83 is released due to Other reason	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci80totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci82totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci83totbyte	INT32	Incremental	active	The total number of uplink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) receives an uplink data byte for a bearer with a QCI of 83	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-ul-qci80totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci82totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-qci83totpkt	INT32	Incremental	active	The total number of uplink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) receives an uplink data packet for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci80totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci82totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci83totbyte	INT32	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci80totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci82totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-ul-dropstat-qci83totpkt	INT32	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci80totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci82totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-datastat-dl-qci83totbyte	INT32	Incremental	active	The total number of downlink data bytes received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci80totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci82totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-qci83totpkt	INT32	Incremental	active	The total number of downlink data packets received by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci80totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci82totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci83totbyte	INT32	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci80totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci82totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82	Per SAEGW Service	Standard
saegw	sgw-datastat-dl-dropstat-qci83totpkt	INT32	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 80 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 82 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 83 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 80 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 82 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 83 on the S1u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80 on the S1u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s1u-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s1u-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S1u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83 on the S1u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 80 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 82 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes received by the S-GW for a bearer with a QCI of 83 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data byte for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 80 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 82 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets received by the S-GW for a bearer with a QCI of 83 on the S11u interface on the SGW (as part of the SAEGW).	Increments when the S-GW receives an uplink data packet for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s11u-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s11u-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S11u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83 on the S11u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s4u-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82 on the S4u interface	Per SAEGW Service	Standard
saegw	sgw-s4u-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S4u interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83 on the S4u interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s12-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard

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saegw	sgw-s12-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard

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saegw	sgw-s12-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s12-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S12 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83 on the S12 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard

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saegw	sgw-s5-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
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saegw	sgw-s5-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
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saegw	sgw-s5-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data byte for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard

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saegw	sgw-s5-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) accepts a downlink data packet for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data byte for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 80 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 82 on the S5 interface	Per SAEGW Service	Standard
saegw	sgw-s5-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S5 interface.	Increments when the S-GW (as part of the SAEGW) drops a downlink data packet for a bearer with a QCI of 83 on the S5 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 80 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 82 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data byte for a bearer with a QCI of 83 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 80 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 82 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) accepts an uplink data packet for a bearer with a QCI of 83 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 80 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 82 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data byte for a bearer with a QCI of 83 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 80 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 80 on the S8 interface	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 82 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 82 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW (as part of the SAEGW) for a bearer with a QCI of 83 on the S8 interface.	Increments when the S-GW (as part of the SAEGW) drops an uplink data packet for a bearer with a QCI of 83 on the S8 interface	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 80 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 80 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 82 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 82 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 83 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 83 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 80 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 80 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 82 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 82 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 83 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 83 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 80 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 80 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 82 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 82 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 83 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 83 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 80 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 80 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s8-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 82 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 82 on the S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s8-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 83 on the S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 83 on the S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes accepted by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data byte for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets accepted by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts uplink data packet for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci80totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci82totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci83totbyte	INT64	Incremental	active	The total number of uplink data bytes dropped by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data byte for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci80totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci82totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-ul-drop-qci83totpkt	INT64	Incremental	active	The total number of uplink data packets dropped by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops uplink data packet for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	sgw-s5s8-dl-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes accepted by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data byte for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets accepted by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW accepts a downlink data packet for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci80totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci82totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci83totbyte	INT64	Incremental	active	The total number of downlink data bytes dropped by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data byte for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci80totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 80 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 80 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci82totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 82 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 82 on the S5/S8 interface.	Per SAEGW Service	Standard
saegw	sgw-s5s8-dl-drop-qci83totpkt	INT64	Incremental	active	The total number of downlink data packets dropped by the S-GW for a bearer with a QCI 83 on the S5/S8 interface on the SGW (as part of the SAEGW).	Increments when the S-GW drops a downlink data packet for a bearer with a QCI 83 on the S5/S8 interface.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subqosstat-bearact-qci80	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 80 become active for a P-GW PDN. Decrements when a bearer with QCI 80 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci82	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 82 become active for a P-GW PDN. Decrements when a bearer with QCI 82 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearact-qci83	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 83 become active for a P-GW PDN. Decrements when a bearer with QCI 83 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci80	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 80 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci82	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 82 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearset-qci83	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 83 is setup for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci80	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 80 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci82	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 82 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subqosstat-bearrel-qci83	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when a bearer with QCI 83 is released for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 80 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 82 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktfwd-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 83 is forwarded for a P-GW PDN	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 80 bearer of P-GW PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytefwd-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 82 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytefwd-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 83 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 80 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 82 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktfwd-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 83 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-80 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-82 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytefwd-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-83 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 80 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 82 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdrop-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 83 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 80 bearer of P-GW PDN.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedrop-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 82 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedrop-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 83 bearer of P-GW PDN.	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdrop-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments when a downlink packet is dropped on P-GW PDN having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedrop-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83 on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on P-GW PDN having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulpktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 83	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	pgw-subdatastat-ulbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	pgw-subdatastat-ulbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on P-GW PDN having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlpktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 80 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 82 bearer	Per SAEGW Service	Standard
saegw	pgw-subdatastat-dlbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 65 due to MBR exceeded on a P-GW (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a P-GW PDN having a bearer with QCI 83 bearer	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulpktfwd-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 80 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 82 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktfwd-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a SAEGW	Increments by 1 at sessmgr (P-GW) for a collapsed call for Quality Class Identifier 83 when the UL data packet is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 80 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 80 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytefwd-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 82 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 82 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytefwd-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 83 on a SAEGW	Increments by the number of bytes at sessmgr (P-GW) for a collapsed call per Quality Class Identifier 83 when the UL data byte is forwarded to Gi by P-GW.The UL packets sent by the S-GW (of the SAEGW) but dropped at P-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 80 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 82 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktfwd-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a SAEGW	Increments at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 83 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 80 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-dlbytefwd-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 82 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytefwd-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 65 on a SAEGW	Increments by the number of bytes at sessmgr (S-GW) for a collapsed call per Quality of Class Identifier 83 when the DL data packet is forwarded to eNB. The DL packets sent by the P-GW (of the SAEGW) but dropped at the S-GW, are not counted.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 80 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 82 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulpktdrop-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 83 when the UL data packet is dropped by the S-GW or the UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 80 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-ulbytedrop-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 82 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subdatastat-ulbytedrop-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 on a SAEGW	Increments for a collapsed call per Quality of Class Identifier 83 when the UL data packet is dropped by the S-GW or The UL data packet is dropped by the P-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 on a SAEGW	Incremented for a collapsed call per QCI 80 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 on a SAEGW	Incremented for a collapsed call per QCI 82 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlpktdrop-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 on a SAEGW	Incremented for a collapsed call per QCI 83 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80 on a SAEGW	Incremented for a collapsed call per QCI 80 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82 on a SAEGW	Incremented for a collapsed call per QCI 82 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard
saegw	collapsed-subdatastat-dlbytedrop-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83 on a SAEGW	Incremented for a collapsed call per QCI 83 when the DL data packet is dropped by the P-GW or the DL data packet is dropped by the S-GW.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearact-qci80	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 80 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci82	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 82 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearact-qci83	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 83 on a SAEGW	Increments at sessmgr (P-GW) when the call is successfully setup at the P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call (S-GW relocation)Decrements when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation).	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci80	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 80 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearset-qci82	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 82 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	collapsed-subqosstat-bearset-qci83	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 83 on a SAEGW	Incremented at sessmgr (P-GW) when the call is successfully setup at P-GW and becomes a collapsed call or when a Pure-P call becomes a collapsed call.	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci80	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 80 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci82	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 82 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	collapsed-subqosstat-bearrel-qci83	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 83 on a SAEGW	Increments at the sessmgr (P-GW) when the collapsed call is released or when the collapsed call becomes a Pure-P call (S-GW relocation)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci80	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 80 become active for a GGSN. Decrements when a bearer with QCI 80 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci82	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 82 become active for a GGSN. Decrements when a bearer with QCI 82 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearact-qci83	INT32	Gauge	active	The total number of subscriber bearers active with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 83 become active for a GGSN. Decrements when a bearer with QCI 83 is released for a GGSN. (both as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci80	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 80 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearset-qci82	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 82 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subqosstat-bearset-qci83	INT32	Incremental	active	The total number of subscriber bearers setup with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 83 is setup for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci80	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 80 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci82	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 82 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subqosstat-bearrel-qci83	INT32	Incremental	active	The total number of subscriber bearers released with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when a bearer with QCI 83 is released for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 80 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 82 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktfwd-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet of bearer with QCI 83 is forwarded for a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 80 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 82 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytefwd-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is forwarded for a QCI 83 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 80 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 82 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktfwd-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is forwarded for a QCI 83 bearer of a GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-80 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-82 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytefwd-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes forwarded on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is forwarded for QCI-83 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 80 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 82 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdrop-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped for a QCI 83 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 80 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 82 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytedrop-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when the an uplink data packet is dropped for a QCI 83 bearer of GGSN (as part of the SAEGW)	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdrop-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedrop-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83 on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink packet is dropped on a GGSN (as part of the SAEGW) having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulpktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber uplink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when an uplink data packet is dropped due to MBR exceed on GGSN (as part of the SAEGW) having a bearer with QCI 83	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 80 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 82 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-ulbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber uplink data bytes dropped on a bearer with a QCI of 83 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when an uplink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci80	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 80 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci82	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 82 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 82	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlpktdropmbrexc-qci83	INT32	Incremental	active	The total number of subscriber downlink data packets dropped on a bearer with a QCI of 83 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with QCI 83	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci80	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 80 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 80	Per SAEGW Service	Standard
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci82	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 82 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 82	Per SAEGW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
saegw	saegw-ggsn-subdatastat-dlbytedropmbrexc-qci83	INT64	Incremental	active	The total number of subscriber downlink data bytes dropped on a bearer with a QCI of 83 due to MBR exceeded on a GGSN (as part of the SAEGW)	Increments by the number of bytes in packet when a downlink data packet is dropped due to MBR exceed on a GGSN (as part of the SAEGW) having a bearer with a QCI of 83	Per SAEGW Service	Standard
saegw	saegw-dyn-up-attempt	INT32	Incremental	active	The Number of Dynamic UserPlane Selection process attempted	Increments when the DNS Query is sent to the DNS Server	Per SAEGW Service	Standard
saegw	saegw-dyn-up-success	INT32	Incremental	active	Then number of Succesful selection of User plane through Dynamic Uplane Selection	Increments when a Userplane is successfully selected from the DNS response	Per SAEGW Service	Standard
saegw	saegw-dyn-up-failure	INT32	Incremental	active	The number of total failures during Uplane Selection	Sum of all the failures during Uplane Selection	Per SAEGW Service	Standard
saegw	saegw-dyn-up-peer-not-found	INT32	Incremental	active	The number of times the Peer IP of the Uplane is not available	Increments when there the DNS response has IP address which is not available in SX	Per SAEGW Service	Standard
saegw	saegw-dyn-up-neg-resp	INT32	Incremental	active	Then number of times the DNS servers responds with negative response	Increments when the DNS response is not success	Per SAEGW Service	Standard
saegw	saegw-dyn-up-dns-timeout	INT32	Incremental	active	The number of times the DNS query timer expires	Increments when the DNS timer times out and no response is received	Per SAEGW Service	Standard
saegw	saegw-dyn-up-selection-unsolicited-response	INT32	Incremental	active	The number of times the unsolicited UP Selection response is received	Increments when the unsolicited UP Selection Response is received	Per SAEGW Service	Standard
saegw	saegw-dyn-up-selection-dns-query-response-after-dns-timeout	INT32	Incremental	active	The number of times the DNS query response is received after DNS timeout	Increments when the DNS query response is received after DNS timeout	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-attempt	INT32	Incremental	active	The Number of Dynamic UserPlane Selection process attempted for SGW	Increments when the DNS Query is sent to the DNS Server for SGW	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-success	INT32	Incremental	active	Then number of Succesful selection of User plane through Dynamic Uplane Selection for SGW	Increments when a Userplane is successfully selected from the DNS response for SGW	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-failure	INT32	Incremental	active	The number of total failures during Uplane Selection for SGW	Sum of all the failures during Uplane Selection for SGW	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-peer-not-found	INT32	Incremental	active	The number of times the Peer IP of the Uplane is not available for SGW	Increments when there the DNS response has IP address which is not available in SX for SGW	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-neg-resp	INT32	Incremental	active	Then number of times the DNS servers responds with negative response for SGW	Increments when the DNS response is not success for SGW	Per SAEGW Service	Standard
saegw	saegw-sgw-dyn-up-dns-timeout	INT32	Incremental	active	The number of times the DNS query timer expires for SGW	Increments when the DNS timer times out and no response is received for SGW	Per SAEGW Service	Standard
epdg	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
epdg	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the EPDG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	servname	STRING	Primary-key	active	The name of the ePDG service for which these statistics are being displayed.	Configuration	Per EPDG Service	Standard
epdg	servid	INT32	Primary-key	active	The identification number of the ePDG service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per EPDG Service	Standard
epdg	pdn-ipv4-active	INT32	Gauge	active	Number of active IPv4 sessions.	Increments upon successful IPv4 Stack ePDG session call setup and decrements on session teardown.	ePDG Service Statistics type: Gauge	Standard
epdg	pdn-ipv4-setup	INT32	Incremental	active	Number of Ipv4 sessions setup.	Increments upon successful IPv4 Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg	pdn-ipv4-released	INT32	Incremental	active	Number of IPv4 sessions released.	Increments upon successful tearing down the IPv4 Stack ePDG session.	ePDG Service. Statistics type: Counter	Standard
epdg	pdn-ipv6-active	INT32	Gauge	active	Number of active IPv6 sessions.	Increments upon successful IPv6 Stack ePDG session call setup and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg	pdn-ipv6-setup	INT32	Incremental	active	Number of IPv6 sessions setup.	Increments upon successful IPv6 Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg	pdn-ipv6-released	INT32	Incremental	active	Number of IPv6 sessions released.	Increments upon successful tearing down the IPv6 Stack ePDG Sessions.	ePDG Service. Statistics type: Counter	Standard
epdg	pdn-ipv4v6-active	INT32	Gauge	active	Number of active IPv4v6 sessions.	Increments upon successful Dual Stack ePDG session call setup and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg	pdn-ipv4v6-setup	INT32	Incremental	active	Number of IPv4v6 sessions setup.	Increments upon successful Dual Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg	pdn-ipv4v6-released	INT32	Incremental	active	Number of IPv4v6 sessions released.	Increments upon successful tearing down the Dual Stack ePDG Sessions.	ePDG Service. Statistics type: Counter	Standard
epdg	num-gtp-bearer-modified	INT32	Incremental	active	Indicates number of GTP bearer modifications happened.	When PGW sends update bearer request message to ePDG then for each bearer it gets incremented.	ePDG Service. Statistics type: Counter.	Standard
epdg	num-gtp-db-active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers.	Increases/Decreases respectively on creation/deletion of dedicated bearers.	ePDG Service. Statistics type: Gauge	Standard
epdg	num-gtp-db-released	INT32	Incremental	active	Indicates number of released GTP dedicated bearers.	Increments when a dedicated bearer is deleted.	ePDG Service. Statistics type: Counter	Standard
epdg	num-gtp-pcscf-restoration-success	INT32	Incremental	active	Indicates number of sucessful pcscf restoration performed successfully.	Increments when UE responds for p-cscf update CFG Request from PGW.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci1_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-1.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-1.	ePDG Service. Statistics type: Gauge	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	num-qci1_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-1.	Increments when a dedicated bearer is created for QCI-1	ePDG Service Statistics type: Counter	Standard
epdg	num-qci1_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-1.	Increments when a dedicated bearer is released for QCI-1.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci1_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-1.	Increments when a dedicated bearer creation starts for QCI-1	ePDG Service Statistics type: Counter	Standard
epdg	num-qci1_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-1.	Increments when a dedicated bearer creation failed for QCI-1.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci2_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-2.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-2.	ePDG Service. Statistics type: Gauge.	Standard
epdg	num-qci2_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-2.	Increments when a dedicated bearer is created for QCI-2.	ePDG Service. Statistics type: Counter.	Standard
epdg	num-qci2_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-2.	Increments when a dedicated bearer is released for QCI-2.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci2_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-2.	Increments when a dedicated bearer creation starts for QCI-2	ePDG Service Statistics type: Counter	Standard
epdg	num-qci2_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-2.	Increments when a dedicated bearer creation failed for QCI-2.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci3_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-3.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-3.	ePDG Service. Statistics type: Gauge	Standard
epdg	num-qci3_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-3.	Increments when a dedicated bearer is created for QCI-3.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci3_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-3.	Increments when a dedicated bearer is released for QCI-3.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci3_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-3.	Increments when a dedicated bearer creation starts for QCI-3	ePDG Service Statistics type: Counter	Standard
epdg	num-qci3_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-3.	Increments when a dedicated bearer creation failed for QCI-3.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci4_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-4.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-4.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci4_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-4	Increments when a dedicated bearer is created for QCI-4.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci4_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-4	Increments when a dedicated bearer is released for QCI-4.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	num-qci4_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-4.	Increments when a dedicated bearer creation starts for QCI-4	ePDG Service Statistics type: Counter	Standard
epdg	num-qci4_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-4.	Increments when a dedicated bearer creation failed for QCI-4.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci5_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-5.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-5.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci5_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-5.	Increments when a dedicated bearer is created for QCI-5.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci5_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-5.	Increments when a dedicated bearer is released for QCI-5.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci5_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-5.	Increments when a dedicated bearer creation starts for QCI-5	ePDG Service Statistics type: Counter	Standard
epdg	num-qci5_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-5.	Increments when a dedicated bearer creation failed for QCI-5.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci6_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-6.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-6.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci6_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-6.	Increments when a dedicated bearer is created for QCI-6.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci6_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-6.	Increments when a dedicated bearer is released for QCI-6.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci6_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-6.	Increments when a dedicated bearer creation starts for QCI-6	ePDG Service Statistics type: Counter	Standard
epdg	num-qci6_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-6.	Increments when a dedicated bearer creation failed for QCI-6.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci7_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-7.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-7.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci7_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-7.	Increments when a dedicated bearer is created for QCI-7.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci7_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-7.	Increments when a dedicated bearer is released for QCI-7.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci7_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-7.	Increments when a dedicated bearer creation starts for QCI-7	ePDG Service Statistics type: Counter	Standard
epdg	num-qci7_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-7.	Increments when a dedicated bearer creation failed for QCI-7.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	num-qci8_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-8.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-8.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci8_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-8.	Increments when a dedicated bearer is created for QCI-8.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci8_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-8.	Increments when a dedicated bearer is released for QCI-8.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci8_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-8.	Increments when a dedicated bearer creation starts for QCI-8	ePDG Service Statistics type: Counter	Standard
epdg	num-qci8_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-8.	Increments when a dedicated bearer creation failed for QCI-8.	ePDG Service. Statistics type: Counter	Standard
epdg	num-qci9_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-9.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-9.	ePDG Service Statistics type: Gauge	Standard
epdg	num-qci9_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-9.	Increments when a dedicated bearer is created for QCI-9.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci9_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-9.	Increments when a dedicated bearer is released for QCI-9.	ePDG Service Statistics type: Counter	Standard
epdg	num-qci9_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-9.	Increments when a dedicated bearer creation starts for QCI-9	ePDG Service Statistics type: Counter	Standard
epdg	num-qci9_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-9.	Increments when a dedicated bearer creation failed for QCI-9.	ePDG Service. Statistics type: Counter	Standard
epdg	cursess	INT32	Gauge	active	Total number of current sessions created under epdg-service.	Increments upon successful IPv4/IPv6/Dual stack session created on ePDG over S2b (PMIPv6 or GTPv2) interface and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg	curses-pmipv6-ipv4	INT32	Gauge	active	Number of current PMIPv6 IPv4 stack sessions.	Increments upon successful IPv4 stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg	curses-pmipv6-ipv6	INT32	Gauge	active	Number of current PMIPv6 IPv6 stack sessions	Increments upon successful IPv6 stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg	curses-pmipv6-ipv4v6	INT32	Gauge	active	Number of current PMIPv6 dual stack sessions.	Increments upon successful dual stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	curses-gtp-ipv4	INT32	Gauge	active	Total number of active GTP-IPv4 sessions.	Increases when a new GTP based IPv4 call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg	curses-gtp-ipv6	INT32	Gauge	active	Total number of active GTP-IPv6 sessions.	Increases when a new GTP based IPv6 call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg	curses-gtp-ipv4v6	INT32	Gauge	active	Total number of active GTP-IPv4v6 sessions.	Increases when a new GTP based IPv4v6 (dual stack) call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg	totsetup-attempt	INT32	Incremental	active	Total number of epdg session setup attempts.	Increments upon receiving IKE_AUTH (CFG_REQ) for ePDG session creation.	ePDG Service. Statistics type: Counter	Standard
epdg	totsetup-success	INT32	Incremental	active	Total number of epdg session setup success.	Increments upon successful IPv4/IPv6/Dual Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg	tot-success-handoff	INT32	Incremental	active	Total Number of handoff sessions.	Incremented for sessions successfully handed over from LTE to Wi-Fi Network.	ePDG Service. Statistics type: Counter	Standard
epdg	tot-handoff-attempts	INT32	Incremental	active	Total number of GTP user equipment (UE) attempted LTE to WiFi Handoff.	Increments when a LTE to WiFi handoff is attempted by the UE	ePDG Service Statistics type: Counter	Standard
epdg	tot-success-initial	INT32	Incremental	active	Total Number of Initial attach sessions.	Incremented for sessions established due to initial WLAN attach (non Handoff).	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming session.	ePDG Service. Statistics type: Gauge	Standard
epdg	roaming-sess-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming session setup success.	Increments when a ePDG roaming session is created..	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-uicc-attempts	INT32	Incremental	active	Total number of ePDG roaming session setup attempts.	Increments when a ePDG roaming session is attempted.	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-uicc-failures	INT32	Incremental	active	Total number of ePDG roaming session attempts failed.	Increments upon failure of ePDG roaming session.	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-ho-sess-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming handoff sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming-handoff session.	ePDG Service. Statistics type: Gauge	Standard
epdg	roaming-ho-sess-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming handoff session setup success.	Increments when a ePDG roaming-handoff session is created..	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-ho-sess-uicc-attempts	INT32	Incremental	active	Total number of ePDG roaming handoff session setup attempts.	Increments when a ePDG roaming-handoff session is attempted.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	roaming-ho-sess-uicc-failures	INT32	Incremental	active	Total number of ePDG roaming handoff session attempts failed.	Increments upon failure of ePDG roaming-handoff session.	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-non-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming non UICC sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming non UICC session.	ePDG Service. Statistics type: Gauge	Standard
epdg	roaming-sess-non-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming non UICC session setup success.	Increments when a ePDG roaming non UICC session is created..	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-non-uicc-attempts	INT32	Incremental	active	Total number of ePDG roaming non UICC session setup attempts.	Increments when a ePDG roaming non UICC session is attempted.	ePDG Service. Statistics type: Counter	Standard
epdg	roaming-sess-non-uicc-failures	INT32	Incremental	active	Total number of ePDG roaming non UICC session attempts failed.	Increments upon failure of ePDG roaming non UICC session.	ePDG Service. Statistics type: Counter	Standard
epdg	alt-epdg-selection-mandatory	INT32	Incremental	active	Total number of ePDG sessions for which alternate ePDG zone record with action mandate is selected.	Increments when a zone record with action mandate is seleceted.	ePDG Service. Statistics type: Counter	Standard
epdg	dbr-from-pgw	INT32	Incremental	active	Indicates the number of disconnected sessions due to Delete Bearer Request GTP message coming from PGW.	When call is cleared from PGW.	ePDG Service. Statistics type: Counter	Standard
epdg	gtpc-abort-sess-cmd	INT32	Incremental	active	Indicates the number of disconnected sessions due to GTP control plane path failure.	When GTP control plane path failure occurs between PGW and ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg	gtpu-abort-sess-cmd	INT32	Incremental	active	Indicates the number of disconnected sessions due to GTP user plane path failure.	when GTP user plane path failure occurs between PGW and ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg	gtpu-error-indication	INT32	Incremental	active	Indicates the number of disconnected sessions due to error indication message on GTP user plane.	When PGW sends a GTP error indication message for the default bearer.	ePDG Service. Statistics type: Counter	Standard
epdg	pgw-not-reachable	INT32	Incremental	active	Indicates the number of disconnected sessions due to PGW being down.	When PGW is unreachable/down.	ePDG Service. Statistics type: Counter	Standard
epdg	reject-from-pgw	INT32	Incremental	active	Indicates the number of disconnected sessions due to PGW rejecting the create session request.	When PGW rejects the Create Session Request sent by ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg	invalid-apn	INT32	Incremental	active	: ePDG shall be rejecting the IKE_AUTH_REQUEST message if invalid APN is received and increment this bulkstats before communicating over SWm interface.	UE sending invalid APN in terms of format or length over SWu interface in IKE_AUTH_REQUEST message.	ePDG Service. Statistics type: Counter	Standard
epdg	totattempt-failure	INT32	Incremental	active	Total number of epdg session attempts failed.	Increments upon failure of creating IPv4/IPv6/Dual Stack ePDG sessions.	ePDG Service. Statistics type: Counter	Standard
epdg	totpmipv6-attempt	INT32	Incremental	active	Total number of PMIPv6 attempts.	Increments upon attempting to send PBU over PMIPv6 (S2b) Interface after successful authentication with AAA for ePDG session establishment.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	totpmipv6-success	INT32	Incremental	active	Total number of PMIPv6 success.	Increments upon successful IPv4/IPv6/Dual Stack ePDG session after receiving PBA from PGW over PMIPv6 (S2b) Interface.	ePDG Service. Statistics type: Counter	Standard
epdg	totpmipv6-failure	INT32	Incremental	active	Total number of PMIPv6 failures.	Increments upon failure of IPv4/IPv6/Dual Stack ePDG session establishment for not receiving PBA or invalid PBA is received with MIP-Error-Code over PMIPv6 (S2b) Interface.	ePDG Service. Statistics type: Counter	Standard
epdg	pgw-fallback-attempted	INT32	Incremental	active	Indicates number of PGW fallback attempts made.	Increases with each fallback attempt of contacting new PGW based on DNS query resolution.	ePDG Service. Statistics type: Counter	Standard
epdg	pgw-fallback-succeeded	INT32	Incremental	active	Indicates number of PGW fallback attempts successfully completed.	Increases when PGW has responded for the fallback attempt.	ePDG Service. Statistics type: Counter	Standard
epdg	pgw-fallback-failed	INT32	Incremental	active	Indicates number of PGW fallback attempts failed.	Increases when PGW does not responds for the fallback attempt.	ePDG Service. Statistics type: Counter	Standard
epdg	pgw-fallback-no-alternate-pgw	INT32	Incremental	active	Indicates number of times the call failed due to no PGW being responding to the fallback attempts from the DNS query resolved PGW candidate list.	None of the PGW from the DNS query resolution list responded to the ePDG call establishment attempt.	ePDG Service. Statistics type: Counter	Standard
epdg	non-uicc-sess-active	INT32	Gauge	active	Number of active non uicc session.	Increases/decreases respectively on creation/deletion of non uicc session .	ePDG Service. Statistics type: Gauge	Standard
epdg	non-uicc-sess-setup	INT32	Incremental	active	Number of non-uicc sessions setup.	Increments when a non uicc session is created.	ePDG Service. Statistics type: Counter	Standard
epdg	non-uicc-sess-released	INT32	Incremental	active	Number of non-uicc sessions released.	Increments when a non uicc session is released.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-ue-support	INT32	Incremental	active	Total number of subscribers sending payload REDIRECTED_TO or REDIRECTED_FROM to ePDG for reselection.	Increments when ePDG receives REDIRECTED_TO or REDIRECTED_FROM payload from subscribers.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-pgw-id-not-recv	INT32	Incremental	active	Total number of subscirbers reselection are failed due to pgw-id(PGW IP address/FQDN) is not coming from AAA server.	Increments when AAA server is not sending PGW-ID to EPDG for reselection .	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-curr-epdg-collocated	INT32	Incremental	active	Total number of subscribers reselection aborted due to current ePDG is already closets to selected PGW or reselected ePDG is same to current ePDG.	Increments when current ePDG is already closets to selected PGW or reselected ePDG is same to current ePDG	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-selection-required	INT32	Incremental	active	Total number of subscribers eligible for redirect after checking PGW-ID is present,current ePDG is not closets to selected PGW or reselected ePDG is not same to current ePDG.	Increments when PGW-ID is present,current ePDG is not closets to selected PGW or reselected ePDG is not same to current ePDG	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	redirect-selection-aborted	INT32	Incremental	active	Total number of subscribers reselection aborted due to feature not enabled under apn-profile, local pgw preferred configured under ePDG service or topology not enabled under ePDG service	Increments when feature not enabled under apn-profile, local pgw preferred configured under ePDG service or topology not enabled under ePDG service	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-feature-not-enabled	INT32	Incremental	active	Total number of subscirbers redirection aborted due to feature not enabled.	Increments when redirect feature not enabled under apn-profile.	ePDG Service. Statistics type: Counter	Standard
epdg	redirected-session	INT32	Incremental	active	Total number of subscirbers sending REDIRECTED_FROM payload to ePDG.	Increments when ePDG receives REDIRECTED_FROM payload from subscriber.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-local-pgw-preferred	INT32	Incremental	active	Total number of subscribers redirection aborted due to local pgw selection.	Increments when local pgw selection configured under epdg service.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-topology-not-enabled	INT32	Incremental	active	Total number of subscribers redirection aborted due to topology not enabled.	Increments when topology not configured under epdg service	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-zone-action-ignored	INT32	Incremental	active	Total number of subscriber's redirection aborted due alternate ePDG zone record with action ignore selected.	Increments when a zone record with action ignore is selected.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-selection-initiated	INT32	Incremental	active	Total number of subscirbers redirection initiated to get the alternate ePDG address using DNS server.	Increments when DNS SNAPTR request initiated to get ePDG ip address.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-selection-succeeded	INT32	Incremental	active	Total number of subscribers successfully redirected to new ePDG after receiving the redirected ePDG IP address from DNS server.	Increments after successfully sending redirected ePDG IP address to subscriber.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-selection-failed	INT32	Incremental	active	Total number of subscribers reselection are failed due to no DNS server, no DNS server response,no DNS server records,IP transport mismatch on Swu interface or Multi-PDN.	Increments when no DNS server configured, no DNS server response,no DNS server records,IP transport mismatch on Swu interface or Multi-PDN in reselection.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-dns-failure	INT32	Incremental	active	Total number of subscribers reselection failed due to no DNS configured or no response from DNS server.	Increments when no DNS configured or no response from DNS server	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-dns-no-record	INT32	Incremental	active	Total number of subscribers reselection failed due to no DNS records	Increments when no DNS records response from DNS server.	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-IP-trans-mismatch	INT32	Incremental	active	Total number of subscribers reselection failed due to IP transport mismatch on SWu.	Increments when reselected IP transport mismatch on SWu	ePDG Service. Statistics type: Counter	Standard
epdg	redirect-multi-pdn	INT32	Incremental	active	Total number of subscribers reselection failed due to multi-pdn.	Increments when subscriber already attached to ePDG with different APN.	ePDG Service. Statistics type: Counter	Standard
epdg	totgtp-attempt	INT32	Incremental	active	Total number of GTPv2 call attempts.	Increments upon attempting to send Create Session Request over GTPv2 (S2b) Interface after successful authentication with AAA for ePDG session establishment.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	totgtp-success	INT32	Incremental	active	Total number of GTPv2 success.	Increments upon successful IPv4/IPv6/Dual Stack ePDG session establishment after receiving Create Session Response from PGW over GTPv2 (S2b) Interface.	ePDG Service Statistics type: Counter	Standard
epdg	totgtp-failure	INT32	Incremental	active	Total number of GTPv2 failures.	Increments upon failure of IPv4/IPv6/Dual Stack ePDG session establishment for not receiving Create Session Response (CSResp) or invalid CSResp is received with EGTP_CAUSE_REQUEST_REJECTED over GTPv2 (S2b) Interface.	ePDG Service Statistics type: Counter	Standard
epdg	totgtp-curr-ue-in-sys	INT32	Gauge	active	Total number of active GTP user equipment (UE) in the system.	Increments upon successful GTP session setup of a new UE; further session setup from the same UE will not increase the variable. Decrements when all the active GTP sessions of a UE are released.	ePDG Service Statistics type: Gauge	Standard
epdg	tot-curr-volte-calls	INT32	Gauge	active	Total number of active GTP user equipment (UE) in the system with VoLTE sessions.	Increments upon successful creation of first VoLTE bearer of new UE; Decrements on deletion of last VoLTE bearer of a UE	ePDG Service Statistics type: Gauge	Standard
epdg	disconnect-total	INT32	Incremental	active	Total number of disconnected sessions.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions locally, remotely (by UE) or by PGW.	ePDG Service. Statistics type: Counter	Standard
epdg	disconnect-local	INT32	Incremental	active	Total number of disconnected sessions locally.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions locally because of unavailable resources, session setup/absolute/long duration timeout and admin clear.	ePDG Service. Statistics type: Counter	Standard
epdg	disconnect-ue	INT32	Incremental	active	Total number of disconnected sessions by UEs.	Increments on UE-initiated call tear down after call setup.	ePDG Service. Statistics type: Counter	Standard
epdg	disconnect-pgw	INT32	Incremental	active	Total number of disconnected sessions by PGW.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions by PGW upon receiving BRI message.	ePDG Service. Statistics type: Counter	Standard
epdg	disconnect-remote	INT32	Incremental	active	Total number of disconnected sessions remotely before connect.	Increments on UE-initiated call tear down before call setup.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	sess-disconnect-remote	INT32	Incremental	active	Total number of sessions disconnected remotely.	A UE-initiated session disconnect in ePDG after the call is in the CONNECTED state.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-admin	INT32	Incremental	active	Total number of sessions disconnected by Admin.	Incremented for all sessions in a CONNECTED state that are cleared due to an Admin Disconnect disconnect reason.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-idle-timeout	INT32	Incremental	active	Total number of sessions disconnected due to idle-timeout.	Number of sessions terminated because of idle timer timeout.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-abs-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Absolute timeout.	Number of sessions terminated because of absolute timeout.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-longdur-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Long duration timeout.	Number of sessions terminated because of long duration timeout.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-sesssetup-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Session setup timeout.	Number of sessions terminated because of session setup timeout.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-noresource	INT32	Incremental	active	Total number of sessions disconnected due to no resource.	Number of sessions terminated because of no resources.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-authfail	INT32	Incremental	active	Total number of sessions disconnected due to Auth failure.	Incremented on receiving a DEA message with invalid result code or with an invalid AVP attribute, DER timeout for not receiving DEA, a missing attribute in DEA message, an invalid W-APN format, or an invalid NAI format.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-flowadd-failure	INT32	Incremental	active	Total number of sessions disconnected due to Flow add failure.	Number of sessions terminated because of flow add failure.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-invalid-dest	INT32	Incremental	active	Total number of sessions disconnected due to Invalid dest-context.	Number of sessions terminated because of invalid destination context. This variable is proprietary.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-srcaddr-violation	INT32	Incremental	active	Total number of sessions disconnected due to Source address violation.	Number of sessions terminated because of source IP address violation.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-lmarevoc	INT32	Incremental	active	Total number of sessions disconnected due to LMA Revocations.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions by LMA upon receiving BRI message.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	sess-disconnect-dupreq	INT32	Incremental	active	Total number of sessions disconnected due to Duplicate Request.	Incremented on receiving a new call when a previous call exists in the CONNECTED state with the same NAI and APN on the same/different Session Manager. When this occurs, the original call is cleared.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-addrassign-failure	INT32	Incremental	active	Total number of sessions disconnected due to Addr assign failure.	Number of sessions terminated because of an address assignment failure. This variable is proprietary.	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-handoff	INT32	Incremental	active	Total number of sessions disconnected due to LTE to Wi-Fi Handoff.	Increases for failed session hand over from LTE to Wi-Fi Network..	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-invalid-qci	INT32	Incremental	active	Total the number of sessions disconnected due to invalid QCI received from AAA server.	Increments when invalid QCI value is received from AAA server	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-misc	INT32	Incremental	active	Total number of sessions disconnected due to Miscellaneous reasons.	Incremented for all failures and all remaining disconnect reasons (for example, for IPSec/PMIPv6, no-response or remote-error-notification).	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-aaa-admin	INT32	Incremental	active	Total number of sessions disconnected due to AAA Admin clear.	ASR triggerred by AAA server received in	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-aaa-no-non-3gpp-subscription	INT32	Incremental	active	Total number of sessions disconnected due to AAA cause codes mapped to 3GPP IKEv2 private notify payload error type #9000 No Non 3gpp Subscription	Increments when AAA rejects with cause no non 3gpp subscription with 3gpp error notify enabled	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-aaa-user-unknown	INT32	Incremental	active	Total number of sessions disconnected due to AAA cause codes mapped to 3GPP IKEv2 private notify payload error type #9001 User Unknown	Increments when AAA rejects with cause user unknwon with 3gpp error notify enabled	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-aaa-illegal-equipment	INT32	Incremental	active	Total number of sessions disconnected due to AAA cause codes mapped to 3GPP IKEv2 private notify error payload type #9006 Illegal ME	Increments when AAA rejects with cause illegal equipment with 3gpp error notify enabled	ePDG Service. Statistics type: Counter	Standard
epdg	sess-disconnect-s2b-network-failure	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type network failure	Increments when any s2b cause code mapped to network failure is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-s2b-msg-failure	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type message failure.	Increments when any s2b cause code mapped to message failure is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-s2b-access-denied	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type access denied.	Increments when any s2b cause code mapped to access denied is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	sess-disconnect-s2b-rat-disallowed	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause code rat disallowed.	Increments when s2b cause rat disallowed is received in create session response	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-roaming-mandatory	INT32	Incremental	active	Total the number of sessions disconnected due to DNS failure when roaming is mandatory.	Increments when DNS query for new EPDG fails (no response or faliure response) for which zone action is mandate.	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-invalid-imei	INT32	Incremental	active	Total the number of sessions disconnected due to Invalid IMEI received from UE.	Increments when Invalid IMEI is received from UE.	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-s2b-context-not-found	INT32	Incremental	active	Total the number of sessions disconnected due GTPv2 cause code Context Not Found.	Increments when PGW sends Context Not Found for any GTPv2 control message.	ePDG Service Statistics type: Counter	Standard
epdg	sess-disconnect-epdg-pcscf-restoration	INT32	Incremental	active	The total number of sessions disconnected due to PGW trigrered Re-Activation request for p-cscf restoration.	Increments when PGW sends Re-Activation Request due to p-cscf restoration	ePDG Service Statistics type: Counter	Standard
epdg	reauth-attempt	INT32	Incremental	active	Total number of fast re-authentication attempts.	Not Defined	Fast re-authentication is not supported for ePDG service. Statistics type: Counter	Standard
epdg	reauth-success	INT32	Incremental	active	Total number of fast re-authentication success.	Not Defined	Fast re-authentication is not supported for ePDG service. Statistics type: Counter	Standard
epdg	reauth-failure	INT32	Incremental	active	Total number of fast re-authentication failure.	Not Defined	Fast re-authentication is not supported for ePDG service. Statistics type: Counter	Standard
epdg	reauthor-attempt	INT32	Incremental	active	Total number of reauthorize attempts.	Increments upon sending an authorize request message to the AAA server.	ePDG Service. Statistics type: Counter	Standard
epdg	reauthor-success	INT32	Incremental	active	Total reauthorize success.	Increments upon receiving an authorize success message from the AAA	ePDG Service. Statistics type: Counter	Standard
epdg	reauthor-failure	INT32	Incremental	active	Total number of reauthorize failure.	Increments upon an authorization failure with the AAA server or if the IPsec tunnel goes down during authorization.	ePDG Service. Statistics type: Counter	Standard
epdg	txbytes	INT64	Incremental	active	The number of bytes transmitted over the port.	Not Defined	EPDG Service	Standard
epdg	txpkts	INT64	Incremental	active	Total IPsec packets sent.	The number of packets transmitted over the port.	ePDG Service. Statistics type: Counter	Standard
epdg	rxbytes	INT64	Incremental	active	The number of bytes received over the port.	Not Defined	ePDG Service	Standard
epdg	rxpkts	INT64	Incremental	active	Total IPsec packets received.	The number of packets received over the port.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	pkt-violation	INT64	Incremental	active	Total packets violations.	Total number of packet violations.	ePDG Service. Statistics type: Counter	Standard
epdg	eap-rxttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
epdg	eap-rxsuccsrvrpassthru	INT32	Incremental	active	Total number of EAP-Success messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
epdg	eap-rxchalsrvrpassthru	INT32	Incremental	active	Total number of EAP challenge messages sent to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
epdg	eap-rxfailsrvrpassthru	INT32	Incremental	active	Total number of EAP-Failure messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
epdg	eap-txttlsrv	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server. This variable is proprietary.	Not Defined	Not Defined	Standard
epdg	eap-txinitrequest	INT32	Incremental	active	Total number of EAP request messages forwarded to the EAP server for initial request. This variable is proprietary.	Not Defined	Not Defined	Standard
epdg	eap-txreqfwd	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server for forward request. This variable is proprietary.	Not Defined	Not Defined	Standard
epdg	eap-rxmobilepassthru	INT32	Incremental	active	Total number of EAP messages received from mobile clients in pass-through mode.	Not Defined	Not Defined	Standard
epdg	eap-rxmobilediscarded	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server that were discarded. This variable is proprietary.	Not Defined	Not Defined	Standard
epdg	dns-server-not-reachable	INT32	Incremental	active	Indicates number of disconnected sessions due to DNS server not reachable.	When the DNS server is down.	ePDG Service. Statistics type: Counter	Standard
epdg	dns-no-resource-records	INT32	Incremental	active	Indicates number of disconnected sessions when no valid record is fetched from DNS server.	When DNS server has no valid records.	ePDG Service. Statistics type: Counter	Standard
epdg	dns-no-matching-server	INT32	Incremental	active	Indicates number of disconnected sessions when the fetched service parameters from DNS record doesn't matches the configured protocol (GTP/PMIPv6).	When the records at DNS server have no matching service parameters with requested protocol.	ePDG Service. Statistics type: Counter	Standard
epdg	aaa-server-not-reachable	INT32	Incremental	active	Indicates number of disconnected sessions due to AAA server being unreachable from ePDG.	When AAA server is down.	ePDG Service. Statistics type: Counter	Standard
epdg	aaa-invalid-aaa-attribute	INT32	Incremental	active	Indicates number of disconnected sessions due to Authentication failure at AAA server and invalid attributes received in diameter messages coming from AAA server.	When authorization fails at AAA.	ePDG Service. Statistics type: Counter	Standard
epdg	aaa-apn-validation-failed	INT32	Incremental	active	Indicates number of disconnected sessions due to APN mismatch at SWu and SWm interfaces.	APN is different or not present at AAA.	ePDG Service. Statistics type: Counter	Standard
epdg	operator-policy	INT32	Incremental	active	Indicates number of disconnected sessions due to lack of suitable operator policy configuration	When suitable operator policy is not present for a user	ePDG Service. Statistics type: Counter	Standard
epdg	pgwselectfail-initial	INT32	Incremental	active	Indicates number of disconnected sessions due to PGW selection failure in initial state.	PGW selection fails for a new call.	ePDG Service. Statistics type: Counter	Standard
epdg	pgwselectfail-handoff	INT32	Incremental	active	Indicates number of disconnected sessions due to PGW selection failure in handoff state.	PGW selection fails for a handed off call.	ePDG Service. Statistics type: Counter	Standard
epdg	num-disc-invalid-pdn-type	INT32	Incremental	active	Indicates the number of disconnected sessions due to mismatch over PDN type between UE and AAA server.	Incements when there is a mismatch between UE provided and AAA server provided PDN type.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	aaa-non-uicc-authorization-failed	INT32	Incremental	active	Indicates number of non-uicc disconnected sessions due to AAA server being.	Increments upon an authorization failure for a non-uicc session with the AAA server.	ePDG Service Statistics type: Counter	Standard
epdg	aaa-network-failure	INT32	Incremental	active	Indicates the number of sessions disconnected due to below specific result code or experimental result code returned by Diameter.	Increments for the diameter result code 3002, 3005, 4003, 5002, 5007-5009, 5012-5016. It also increments for experimental result code 5005.	ePDG Service Statistics type: Counter	Standard
epdg	aaa-network-too-busy	INT32	Incremental	active	Indicates the number of sessions disconnected due to below specific result code or experimental result code returned by Diameter.	Increments for the diameter result code 3004, 4002 and 5006.	ePDG Service Statistics type: Counter	Standard
epdg	aaa-roaming-not-allowed	INT32	Incremental	active	Indicates the number of sessions disconnected due to below specific result code or experimental result code returned by Diameter.	Increments for the diameter experimental result code 5004.	ePDG Service Statistics type: Counter	Standard
epdg	aaa-rat-disallowed	INT32	Incremental	active	Indicates the number of sessions disconnected due to below specific result code or experimental result code returned by Diameter.	Increments for the diameter experimental result code 5450 and 5452.	ePDG Service Statistics type: Counter	Standard
epdg	aaa-no-subscription	INT32	Incremental	active	Indicates the number of sessions disconnected due to below specific result code or experimental result code returned by Diameter.	Increments for the diameter experimental result code 5451.	ePDG Service Statistics type: Counter	Standard
epdg	tx-buffered-pkts	INT64	Incremental	active	Indicates cumulative number of DL packets buffered in the system.	Increments if DL packets are received before Create Session Response is received from PGW.	ePDG Service Statistics type: Counter	Standard
epdg	tx-buffered-bytes	INT64	Incremental	active	Indicates total cumulative number of DL bytes buffered in the system.	Increments if DL bytes are received before Create Session Response is received from PGW.	ePDG Service Statistics type: Counter	Standard
epdg	tx-curr-buffered-pkts	INT64	Gauge	active	Indicates total number of DL packets currently buffered in the system.	Increments if DL packets are received before Create Session Response is received. Decrements after the buffered packets are sent out after Session is Created.	ePDG Service Statistics type: Gauge	Standard
epdg	tx-curr-buffered-bytes	INT64	Gauge	active	Indicates total number of DL bytes currently buffered in the system.	Increments if DL bytes are received before Create Session Response is received from PGW. Decrements after the buffered packets are sent out after Session is Created.	ePDG Service Statistics type: Gauge	Standard
epdg	tx-icmp-error	INT64	Incremental	active	Indicates total number of ICMP error packets sent to the UE.	Increments if any packet is discarded and sent ICMP error message to the UE.	ePDG Service Statistics type: Counter	Standard
epdg	fragmented-pkts	INT64	Incremental	active	Indicates total number of packets fragmented.	Increments if packets are pre fragmented before ESP (Encrypted Security Payload) encapsulation.	ePDG Service Statistics type: Counter	Standard
epdg	tx-fragments	INT64	Incremental	active	Indicates total number of fragments sent to the UE.	Increments for each pre-ESP (Encrypted Security Payload) fragmented packets sent to the UE.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	transrate-sessevt-cumlt	INT64	Incremental	active	Cumulative Session Events: Pegged on receiving new IKE_SA_INIT or IKE_SA_DELETE request	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-cumlt	INT64	Incremental	active	Cumulative Successful Session Events: Pegged on sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	On sending succesful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful Session Events: Pegged on unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative N/w Initiated Setup/Teardown Events: Pegged on receiving bearer creation or deletion request	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Successful N/w Initiated Setup/Teardown Events: Pegged on sending successful bearer creation or deletion response	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-cumlt	INT64	Incremental	active	Cumulative Unsuccessful N/w Initiated Setup/Teardown Events: Pegged on sending unsuccessful bearer creation or deletion response	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt1	FLOAT	Gauge	active	Call Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt2	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt3	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt4	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt5	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt6	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt7	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-sessevt-bkt8	FLOAT	Gauge	active	Session Events Rate: Transaction Rate at which new IKE_SA_INIT or IKE_SA_DELETE request are received (In a given interval)	On receiving new IKE_SA_INIT or IKE_SA_DELETE request	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	transrate-succ-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-succ-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Successful) Rate: Transaction Rate at which successful final IKE_AUTH_RSP or IKE_SA_DELETE response are sent (In a given interval)	On sending successful final IKE_AUTH_RSP or IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt1	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt2	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt3	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt4	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt5	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt6	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt7	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-unsucc-sessevt-bkt8	FLOAT	Gauge	active	Session Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response are sent (In a given interval)	On unsuccessful attempt to create a new IKE session or unsuccessful IKE_SA_DELETE response	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	transrate-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events Rate: Transaction Rate at which bearer creation or deletion request are received (In a given interval)	On receiving bearer creation or deletion request	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-succ-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Successful) Rate: Transaction Rate at which successful bearer creation or deletion response are sent (In a given interval)	On sending successful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt1	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt2	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt3	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt4	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt5	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt6	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt7	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg	transrate-unsucc-nwinit-setupteardown-evt-bkt8	FLOAT	Gauge	active	N/w Initiated Setup/Teardown Events (Unsuccessful) Rate: Transaction Rate at which unsuccessful bearer creation or deletion response are sent (In a given interval)	On sending unsuccessful bearer creation or deletion response	Per ePDG Service	Standard
epdg-apn	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
epdg-apn	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the EPDG APN service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
epdg-apn	apnname	STRING	Primary-key	active	The APN name for which ePDG statistics are being displayed. This variable is proprietary.	Generated During System Startup	Per EPDG-APN Service	Proprietary
epdg-apn	pdn-ipv4-active	INT32	Gauge	active	Number of active IPv4 sessions.	Increments upon successful IPv4 Stack ePDG session call setup and decrements on session teardown.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	pdn-ipv4-setup	INT32	Incremental	active	Number of Ipv4 sessions setup.	Increments upon successful IPv4 Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pdn-ipv4-released	INT32	Incremental	active	Number of IPv4 sessions released.	Increments upon successful tearing down the IPv4 Stack ePDG session.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pdn-ipv6-active	INT32	Gauge	active	Number of active IPv6 sessions.	Increments upon successful IPv6 Stack ePDG session call setup and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	pdn-ipv6-setup	INT32	Incremental	active	Number of IPv6 sessions setup.	Increments upon successful IPv6 Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pdn-ipv6-released	INT32	Incremental	active	Number of IPv6 sessions released.	Increments upon successful tearing down the IPv6 Stack ePDG Sessions.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pdn-ipv4v6-active	INT32	Gauge	active	Number of active IPv4v6 sessions.	Increments upon successful Dual Stack ePDG session call setup and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	pdn-ipv4v6-setup	INT32	Incremental	active	Number of IPv4v6 sessions setup.	Increments upon successful Dual Stack ePDG session call setup.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pdn-ipv4v6-released	INT32	Incremental	active	Number of IPv4v6 sessions released.	Increments upon successful tearing down the Dual Stack ePDG Sessions.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	roaming-sess-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming session.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	roaming-sess-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming session setup success.	Increments when a ePDG roaming session is created..	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	roaming-ho-sess-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming handoff sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming-handoff session.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	roaming-ho-sess-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming handoff session setup success.	Increments when a ePDG roaming-handoff session is created..	ePDG Service. Statistics type: Counter	Standard
epdg-apn	roaming-sess-non-uicc-active	INT32	Gauge	active	Total number of active ePDG roaming non UICC sessions.	Increases/decreases respectively on creation/deletion of ePDG roaming non UICC session.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	roaming-sess-non-uicc-setup	INT32	Incremental	active	Total number of ePDG roaming non UICC session setup success.	Increments when a ePDG roaming non UICC session is created..	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-gtp-bearer-modified	INT32	Incremental	active	Indicates number of GTP bearer modifications happened.	When PGW sends update bearer request message to ePDG then for each bearer it gets incremented.	ePDG Service. Statistics type: Counter.	Standard
epdg-apn	num-gtp-db-active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers.	Increases/Decreases respectively on creation/deletion of dedicated bearers.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	num-gtp-db-released	INT32	Incremental	active	Indicates number of released GTP dedicated bearers.	Increments when a dedicated bearer is deleted.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-gtp-pcscf-restoration-success	INT32	Incremental	active	Indicates number of sucessful pcscf restoration performed successfully.	Increments when UE responds for p-cscf update CFG Request from PGW.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci1_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-1.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-1.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	num-qci1_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-1.	Increments when a dedicated bearer is created for QCI-1	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci1_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-1.	Increments when a dedicated bearer is released for QCI-1.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci1_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-1.	Increments when a dedicated bearer creation starts for QCI-1	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci1_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-1.	Increments when a dedicated bearer creation failed for QCI-1.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci2_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-2.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-2.	ePDG Service. Statistics type: Gauge.	Standard
epdg-apn	num-qci2_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-2.	Increments when a dedicated bearer is created for QCI-2.	ePDG Service. Statistics type: Counter.	Standard
epdg-apn	num-qci2_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-2.	Increments when a dedicated bearer is released for QCI-2.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	num-qci2_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-2.	Increments when a dedicated bearer creation starts for QCI-2	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci2_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-2.	Increments when a dedicated bearer creation failed for QCI-2.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci3_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-3.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-3.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	num-qci3_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-3.	Increments when a dedicated bearer is created for QCI-3.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci3_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-3.	Increments when a dedicated bearer is released for QCI-3.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci3_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-3.	Increments when a dedicated bearer creation starts for QCI-3	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci3_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-3.	Increments when a dedicated bearer creation failed for QCI-3.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci4_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-4.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-4.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci4_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-4	Increments when a dedicated bearer is created for QCI-4.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci4_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-4	Increments when a dedicated bearer is released for QCI-4.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci4_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-4.	Increments when a dedicated bearer creation starts for QCI-4	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci4_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-4.	Increments when a dedicated bearer creation failed for QCI-4.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci5_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-5.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-5.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci5_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-5.	Increments when a dedicated bearer is created for QCI-5.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci5_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-5.	Increments when a dedicated bearer is released for QCI-5.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci5_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-5.	Increments when a dedicated bearer creation starts for QCI-5	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci5_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-5.	Increments when a dedicated bearer creation failed for QCI-5.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	num-qci6_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-6.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-6.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci6_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-6.	Increments when a dedicated bearer is created for QCI-6.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci6_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-6.	Increments when a dedicated bearer is released for QCI-6.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci6_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-6.	Increments when a dedicated bearer creation starts for QCI-6	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci6_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-6.	Increments when a dedicated bearer creation failed for QCI-6.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci7_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-7.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-7.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci7_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-7.	Increments when a dedicated bearer is created for QCI-7.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci7_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-7.	Increments when a dedicated bearer is released for QCI-7.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci7_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-7.	Increments when a dedicated bearer creation starts for QCI-7	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci7_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-7.	Increments when a dedicated bearer creation failed for QCI-7.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci8_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-8.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-8.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci8_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-8.	Increments when a dedicated bearer is created for QCI-8.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci8_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-8.	Increments when a dedicated bearer is released for QCI-8.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci8_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-8.	Increments when a dedicated bearer creation starts for QCI-8	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci8_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-8.	Increments when a dedicated bearer creation failed for QCI-8.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	num-qci9_bearer_active	INT32	Gauge	active	Indicates number of active GTP dedicated bearers for QCI-9.	Increases/decreases respectively on creation/deletion of dedicated bearer for QCI-9.	ePDG Service Statistics type: Gauge	Standard
epdg-apn	num-qci9_bearer_setup	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-9.	Increments when a dedicated bearer is created for QCI-9.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	num-qci9_bearer_released	INT32	Incremental	active	Indicates number of GTP dedicated bearers released for QCI-9.	Increments when a dedicated bearer is released for QCI-9.	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci9_bearer_attempt	INT32	Incremental	active	Indicates number of GTP dedicated bearers setup for QCI-9.	Increments when a dedicated bearer creation starts for QCI-9	ePDG Service Statistics type: Counter	Standard
epdg-apn	num-qci9_bearer_failure	INT32	Incremental	active	Indicates number of GTP dedicated bearers failed creation for QCI-9.	Increments when a dedicated bearer creation failed for QCI-9.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	cursess	INT32	Gauge	active	Total number of current sessions created under epdg-service.	Increments upon successful IPv4/IPv6/Dual stack session created on ePDG over S2b (PMIPv6 or GTPv2) interface and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-pmipv6-ipv4	INT32	Gauge	active	Number of current PMIPv6 IPv4 stack sessions.	Increments upon successful IPv4 stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-pmipv6-ipv6	INT32	Gauge	active	Number of current PMIPv6 IPv6 stack sessions	Increments upon successful IPv6 stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-pmipv6-ipv4v6	INT32	Gauge	active	Number of current PMIPv6 dual stack sessions.	Increments upon successful dual stack sessions created on ePDG over PMIPv6 (S2b) and decrements on session teardown.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-gtp-ipv4	INT32	Gauge	active	Total number of active GTP-IPv4 sessions.	Increases when a new GTP based IPv4 call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-gtp-ipv6	INT32	Gauge	active	Total number of active GTP-IPv6 sessions.	Increases when a new GTP based IPv6 call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	curses-gtp-ipv4v6	INT32	Gauge	active	Total number of active GTP-IPv4v6 sessions.	Increases when a new GTP based IPv4v6 (dual stack) call is successfully created; decreases on releasing the call.	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	tot-success-handoff	INT32	Incremental	active	Total Number of handoff sessions.	Incremented for sessions successfully handed over from LTE to Wi-Fi Network.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	tot-success-initial	INT32	Incremental	active	Total Number of Initial attach sessions.	Incremented for sessions established due to initial WLAN attach (non Handoff).	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	tot-curr-volte-calls	INT32	Gauge	active	Total number of active GTP user equipment (UE) in the system with VoLTE sessions.	Increments upon successful creation of first VoLTE bearer of new UE; Decrements on deletion of last VoLTE bearer of a UE	ePDG Service Statistics type: Gauge	Standard
epdg-apn	totpmipv6-attempt	INT32	Incremental	active	Total number of PMIPv6 attempts.	Increments upon attempting to send PBU over PMIPv6 (S2b) Interface after successful authentication with AAA for ePDG session establishment.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	totpmipv6-success	INT32	Incremental	active	Total number of PMIPv6 success.	Increments upon successful IPv4/IPv6/Dual Stack ePDG session after receiving PBA from PGW over PMIPv6 (S2b) Interface.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	totpmipv6-failure	INT32	Incremental	active	Total number of PMIPv6 failures.	Increments upon failure of IPv4/IPv6/Dual Stack ePDG session establishment for not receiving PBA or invalid PBA is received with MIP-Error-Code over PMIPv6 (S2b) Interface.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	non-uicc-sess-active	INT32	Gauge	active	Number of active non uicc session.	Increases/decreases respectively on creation/deletion of non uicc session .	ePDG Service. Statistics type: Gauge	Standard
epdg-apn	non-uicc-sess-setup	INT32	Incremental	active	Number of non-uicc sessions setup.	Increments when a non uicc session is created.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	non-uicc-sess-released	INT32	Incremental	active	Number of non-uicc sessions released.	Increments when a non uicc session is released.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	totgtp-attempt	INT32	Incremental	active	Total number of GTPv2 call attempts.	Increments upon attempting to send Create Session Request over GTPv2 (S2b) Interface after successful authentication with AAA for ePDG session establishment.	ePDG Service Statistics type: Counter	Standard
epdg-apn	totgtp-success	INT32	Incremental	active	Total number of GTPv2 success.	Increments upon successful IPv4/IPv6/Dual Stack ePDG session establishment after receiving Create Session Response from PGW over GTPv2 (S2b) Interface.	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	totgtp-failure	INT32	Incremental	active	Total number of GTPv2 failures.	Increments upon failure of IPv4/IPv6/Dual Stack ePDG session establishment for not receiving Create Session Response (CSResp) or invalid CSResp is received with EGTP_CAUSE_REQUEST_REJECTED over GTPv2 (S2b) Interface.	ePDG Service Statistics type: Counter	Standard
epdg-apn	disconnect-total	INT32	Incremental	active	Total number of disconnected sessions.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions locally, remotely (by UE) or by PGW.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	disconnect-local	INT32	Incremental	active	Total number of disconnected sessions locally.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions locally because of unavailable resources, session setup/absolute/long duration timeout and admin clear.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	disconnect-ue	INT32	Incremental	active	Total number of disconnected sessions by UEs.	Increments on UE-initiated call tear down after call setup.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	disconnect-pgw	INT32	Incremental	active	Total number of disconnected sessions by PGW.	Increments upon disconnecting an IPv4/IPv6/Dual Stack sessions by PGW upon receiving BRI message.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	disconnect-aaa	INT32	Incremental	active	Not Defined	Not Defined	ePDG service	Standard
epdg-apn	sess-disconnect-remote	INT32	Incremental	active	Total number of sessions disconnected remotely.	A UE-initiated session disconnect in ePDG after the call is in the CONNECTED state.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-admin	INT32	Incremental	active	Total number of sessions disconnected by Admin.	Incremented for all sessions in a CONNECTED state that are cleared due to an Admin Disconnect disconnect reason.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-idle-timeout	INT32	Incremental	active	Total number of sessions disconnected due to idle-timeout.	Number of sessions terminated because of idle timer timeout.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-abs-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Absolute timeout.	Number of sessions terminated because of absolute timeout.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-longdur-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Long duration timeout.	Number of sessions terminated because of long duration timeout.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-sesssetup-timeout	INT32	Incremental	active	Total number of sessions disconnected due to Session setup timeout.	Number of sessions terminated because of session setup timeout.	ePDG Service. Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	sess-disconnect-noresource	INT32	Incremental	active	Total number of sessions disconnected due to no resource.	Number of sessions terminated because of no resources.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-dupreq	INT32	Incremental	active	Total number of sessions disconnected due to Duplicate Request.	Incremented on receiving a new call when a previous call exists in the CONNECTED state with the same NAI and APN on the same/different Session Manager. When this occurs, the original call is cleared.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-handoff	INT32	Incremental	active	Total number of sessions disconnected due to LTE to Wi-Fi Handoff.	Increases for failed session hand over from LTE to Wi-Fi Network..	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-misc	INT32	Incremental	active	Total number of sessions disconnected due to Miscellaneous reasons.	Incremented for all failures and all remaining disconnect reasons (for example, for IPSec/PMIPv6, no-response or remote-error-notification).	ePDG Service. Statistics type: Counter	Standard
epdg-apn	dbr-from-pgw	INT32	Incremental	active	Indicates the number of disconnected sessions due to Delete Bearer Request GTP message coming from PGW.	When call is cleared from PGW.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	gtpc-abort-sess-cmd	INT32	Incremental	active	Indicates the number of disconnected sessions due to GTP control plane path failure.	When GTP control plane path failure occurs between PGW and ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	gtpu-abort-sess-cmd	INT32	Incremental	active	Indicates the number of disconnected sessions due to GTP user plane path failure.	when GTP user plane path failure occurs between PGW and ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	gtpu-error-indication	INT32	Incremental	active	Indicates the number of disconnected sessions due to error indication message on GTP user plane.	When PGW sends a GTP error indication message for the default bearer.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pgw-not-reachable	INT32	Incremental	active	Indicates the number of disconnected sessions due to PGW being down.	When PGW is unreachable/down.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	reject-from-pgw	INT32	Incremental	active	Indicates the number of disconnected sessions due to PGW rejecting the create session request.	When PGW rejects the Create Session Request sent by ePDG.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-aaa-admin	INT32	Incremental	active	Total number of sessions disconnected due to AAA Admin clear.	ASR triggerred by AAA server received in	ePDG Service. Statistics type: Counter	Standard
epdg-apn	sess-disconnect-s2b-network-failure	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type network failure	Increments when any s2b cause code mapped to network failure is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard
epdg-apn	sess-disconnect-s2b-msg-failure	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type message failure.	Increments when any s2b cause code mapped to message failure is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard
epdg-apn	sess-disconnect-s2b-access-denied	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause codes mapped to private IKEv2 notify payload type access denied.	Increments when any s2b cause code mapped to access denied is received in create session response from PGW	ePDG Service Statistics type: Counter	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn	sess-disconnect-s2b-rat-disallowed	INT32	Incremental	active	Total the number of sessions disconnected due to s2b cause code rat disallowed.	Increments when s2b cause rat disallowed is received in create session response	ePDG Service Statistics type: Counter	Standard
epdg-apn	sess-disconnect-s2b-context-not-found	INT32	Incremental	active	Total the number of sessions disconnected due GTPv2 cause code Context Not Found	Increments when PGW sends Context Not Found for any GTPv2 control message.	ePDG Service Statistics type: Counter	Standard
epdg-apn	sess-disconnect-epdg-pcscf-restoration	INT32	Incremental	active	The total number of sessions disconnected due to PGW trigrered Re-Activation request for p-cscf restoration.	Increments when PGW sends Re-Activation Request due to p-cscf restoration	ePDG Service Statistics type: Counter	Standard
epdg-apn	txbytes	INT64	Incremental	active	The number of bytes transmitted over the port.	Not Defined	ePDG service	Standard
epdg-apn	txpkts	INT64	Incremental	active	Total IPsec packets sent.	The number of packets transmitted over the port.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	rxbytes	INT64	Incremental	active	The number of bytes received over the port.	Not Defined	ePDG service	Standard
epdg-apn	rxpkts	INT64	Incremental	active	Total IPsec packets received.	The number of packets received over the port.	ePDG Service. Statistics type: Counter	Standard
epdg-apn	pkt-violation	INT64	Incremental	active	Total packets violations.	Total number of packet violations.	ePDG Service. Statistics type: Counter	Standard
sgs	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgs	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SGS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgs	servname	STRING	Primary-key	active	The name of the SGS-VLR service for which these statistics are being displayed.	Configuration	Per SGS Service	Standard
sgs	servid	INT32	Primary-key	active	The identification number of the SGS-VLR service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SGS Service	Standard
sgs	pag-req-tx	INT32	Incremental	active	The total number of paging request messages transmitted.	Not Defined	Not Defined	Standard
sgs	pag-req-retx	INT32	Incremental	active	The total number of paging request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	pag-req-rx	INT32	Incremental	active	The total number of paging request messages received.	Not Defined	Not Defined	Standard
sgs	pag-rej-tx	INT32	Incremental	active	The total number of paging reject messages transmitted.	Not Defined	Not Defined	Standard
sgs	pag-rej-retx	INT32	Incremental	active	The total number of paging reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs	pag-rej-rx	INT32	Incremental	active	The total number of paging reject messages received.	Not Defined	Not Defined	Standard
sgs	service-req-tx	INT32	Incremental	active	The total number of service request messages transmitted.	Not Defined	Not Defined	Standard
sgs	service-req-retx	INT32	Incremental	active	The total number of service request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	service-req-rx	INT32	Incremental	active	The total number of service request messages received.	Not Defined	Not Defined	Standard
sgs	dl-ud-tx	INT32	Incremental	active	The total number of downlink unit data messages transmitted.	Not Defined	Not Defined	Standard
sgs	dl-ud-retx	INT32	Incremental	active	The total number of downlink unit data messages retransmitted.	Not Defined	Not Defined	Standard
sgs	dl-ud-rx	INT32	Incremental	active	The total number of downlink unit data messages received.	Not Defined	Not Defined	Standard
sgs	ul-ud-tx	INT32	Incremental	active	The total number of uplink unit data messages transmitted.	Not Defined	Not Defined	Standard
sgs	ul-ud-retx	INT32	Incremental	active	The total number of uplink unit data messages retransmitted.	Not Defined	Not Defined	Standard
sgs	ul-ud-rx	INT32	Incremental	active	The total number of uplink unit data messages received.	Not Defined	Not Defined	Standard
sgs	localupd-req-tx	INT32	Incremental	active	The total number of location update request messages transmitted.	Not Defined	Not Defined	Standard
sgs	localupd-req-retx	INT32	Incremental	active	The total number of location update request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	localupd-req-rx	INT32	Incremental	active	The total number of location update request messages received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgs	localupd-accept-tx	INT32	Incremental	active	The total number of location update accept messages transmitted.	Not Defined	Not Defined	Standard
sgs	localupd-accept-retx	INT32	Incremental	active	The total number of location update accept messages retransmitted.	Not Defined	Not Defined	Standard
sgs	localupd-accept-rx	INT32	Incremental	active	The total number of location update accept messages received.	Not Defined	Not Defined	Standard
sgs	localupd-rej-tx	INT32	Incremental	active	The total number of location update reject messages transmitted.	Not Defined	Not Defined	Standard
sgs	localupd-rej-retx	INT32	Incremental	active	The total number of location update reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs	localupd-rej-rx	INT32	Incremental	active	The total number of location update reject messages received.	Not Defined	Not Defined	Standard
sgs	localupd-timeout-tx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	localupd-timeout-retx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	localupd-timeout-rx	INT32	Incremental	active	SGS-AP Statistics - The total number of Location Update Request messages not received from HSS/MSC.	SGs-AP ts6-1 timer expiration.	Not Defined	Standard
sgs	tmsi-reloc-tx	INT32	Incremental	active	The total number of TMSI reallocation complete messages transmitted.	Not Defined	Not Defined	Standard
sgs	tmsi-reloc-retx	INT32	Incremental	active	The total number of TMSI reallocation complete messages retransmitted.	Not Defined	Not Defined	Standard
sgs	tmsi-reloc-rx	INT32	Incremental	active	The total number of TMSI reallocation complete messages received.	Not Defined	Not Defined	Standard
sgs	alert-req-tx	INT32	Incremental	active	The total number of alert request messages transmitted.	Not Defined	Not Defined	Standard
sgs	alert-req-retx	INT32	Incremental	active	The total number of alert request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	alert-req-rx	INT32	Incremental	active	The total number of alert request messages received.	Not Defined	Not Defined	Standard
sgs	alert-ack-tx	INT32	Incremental	active	The total number of alert ack messages transmitted.	Not Defined	Not Defined	Standard
sgs	alert-ack-retx	INT32	Incremental	active	The total number of alert ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs	alert-ack-rx	INT32	Incremental	active	The total number of alert ack messages received.	Not Defined	Not Defined	Standard
sgs	alert-rej-tx	INT32	Incremental	active	The total number of alert reject messages transmitted.	Not Defined	Not Defined	Standard
sgs	alert-rej-retx	INT32	Incremental	active	The total number of alert reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs	alert-rej-rx	INT32	Incremental	active	The total number of alert reject messages.	Not Defined	Not Defined	Standard
sgs	ue-actind-tx	INT32	Incremental	active	The total number of UE activity indication messages transmitted.	Not Defined	Not Defined	Standard
sgs	ue-actind-retx	INT32	Incremental	active	The total number of UE activity indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs	ue-actind-rx	INT32	Incremental	active	The total number of UE activity indication messages received.	Not Defined	Not Defined	Standard
sgs	eps-detind-tx	INT32	Incremental	active	The total number of EPS detach indication messages transmitted.	Not Defined	Not Defined	Standard
sgs	eps-detind-retx	INT32	Incremental	active	The total number of EPS detach indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs	eps-detind-rx	INT32	Incremental	active	The total number of EPS detach indication messages received.	Not Defined	Not Defined	Standard
sgs	eps-detack-tx	INT32	Incremental	active	The total number of EPS detach ack messages transmitted.	Not Defined	Not Defined	Standard
sgs	eps-detack-retx	INT32	Incremental	active	The total number of EPS detach ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs	eps-detack-rx	INT32	Incremental	active	The total number of EPS detach ack messages received.	Not Defined	Not Defined	Standard
sgs	imsi-detind-tx	INT32	Incremental	active	The total number of IMSI detach indication messages transmitted.	Not Defined	Not Defined	Standard
sgs	imsi-detind-retx	INT32	Incremental	active	The total number of IMSI detach indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs	imsi-detind-rx	INT32	Incremental	active	The total number of IMSI detach indication messages received.	Not Defined	Not Defined	Standard
sgs	imsi-detack-tx	INT32	Incremental	active	The total number of IMSI detach ack messages transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgs	imsi-detack-retx	INT32	Incremental	active	The total number of IMSI detach ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs	imsi-detack-rx	INT32	Incremental	active	The total number of IMSI detach ack messages received.	Not Defined	Not Defined	Standard
sgs	reset-ind-tx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	reset-ind-retx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	reset-ind-rx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	reset-ack-tx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	reset-ack-retx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	reset-ack-rx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgs	mm-inforeq-tx	INT32	Incremental	active	The total number of MM information request messages transmitted.	Not Defined	Not Defined	Standard
sgs	mm-inforeq-retx	INT32	Incremental	active	The total number of MM information request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	mm-inforeq-rx	INT32	Incremental	active	The total number of MM information request messages received.	Not Defined	Not Defined	Standard
sgs	rel-req-tx	INT32	Incremental	active	The total number of release request messages transmitted.	Not Defined	Not Defined	Standard
sgs	rel-req-retx	INT32	Incremental	active	The total number of release request messages retransmitted.	Not Defined	Not Defined	Standard
sgs	rel-req-rx	INT32	Incremental	active	The total number of release request messages received.	Not Defined	Not Defined	Standard
sgs	status-tx	INT32	Incremental	active	The total number of status messages transmitted.	Not Defined	Not Defined	Standard
sgs	status-retx	INT32	Incremental	active	The total number of status messages retransmitted.	Not Defined	Not Defined	Standard
sgs	status-rx	INT32	Incremental	active	The total number of status messages received.	Not Defined	Not Defined	Standard
sgs	ue-unreach-tx	INT32	Incremental	active	The total number of UE unreachable messages transmitted.	Not Defined	Not Defined	Standard
sgs	ue-unreach-retx	INT32	Incremental	active	The total number of UE unreachable messages retransmitted.	Not Defined	Not Defined	Standard
sgs	ue-unreach-rx	INT32	Incremental	active	The total number of UE unreachable messages received.	Not Defined	Not Defined	Standard
sgs	service-abortreq-tx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages transmitted by this service.	Not Defined	Not Defined	Standard
sgs	service-abortreq-retx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages retransmitted by this service.	Not Defined	Not Defined	Standard
sgs	service-abortreq-rx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages received by this service.	Not Defined	Not Defined	Standard
sgs	unk-msg-tx	INT32	Incremental	active	The total number of unknown messages transmitted.	Not Defined	Not Defined	Standard
sgs	unk-msg-retx	INT32	Incremental	active	The total number of unknown messages retransmitted.	Not Defined	Not Defined	Standard
sgs	unk-msg-rx	INT32	Incremental	active	The total number of unknown messages received.	Not Defined	Not Defined	Standard
sgs-vlr	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgs-vlr	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SGS-VLR service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgs-vlr	servname	STRING	Primary-key	active	The name of the SGS-VLR service for which these statistics are being displayed.	Configuration	Per SGS-VLR Service	Standard
sgs-vlr	servid	INT32	Primary-key	active	The identification number of the SGS-VLR service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SGS-VLR Service	Standard
sgs-vlr	vlrname	STRING	Primary-key	active	The name of the specific VLR for which statistics are being displayed.	Not Defined	Not Defined	Standard
sgs-vlr	pag-req-tx	INT32	Incremental	active	The total number of paging request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	pag-req-retx	INT32	Incremental	active	The total number of paging request messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	pag-req-rx	INT32	Incremental	active	The total number of paging request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	pag-rej-tx	INT32	Incremental	active	The total number of paging reject messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	pag-rej-retx	INT32	Incremental	active	The total number of paging reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	pag-rej-rx	INT32	Incremental	active	The total number of paging reject messages received.	Not Defined	Not Defined	Standard
sgs-vlr	service-req-tx	INT32	Incremental	active	The total number of service request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	service-req-retx	INT32	Incremental	active	The total number of service request messages retransmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgs-vlr	service-req-rx	INT32	Incremental	active	The total number of service request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	dl-ud-tx	INT32	Incremental	active	The total number of downlink unit data messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	dl-ud-retx	INT32	Incremental	active	The total number of downlink unit data messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	dl-ud-rx	INT32	Incremental	active	The total number of downlink unit data messages received.	Not Defined	Not Defined	Standard
sgs-vlr	ul-ud-tx	INT32	Incremental	active	The total number of uplink unit data messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ul-ud-retx	INT32	Incremental	active	The total number of uplink unit data messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ul-ud-rx	INT32	Incremental	active	The total number of uplink unit data messages received.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-req-tx	INT32	Incremental	active	The total number of location update request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-req-retx	INT32	Incremental	active	The total number of location update request messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-req-rx	INT32	Incremental	active	The total number of location update request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-accept-tx	INT32	Incremental	active	The total number of location update accept messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-accept-retx	INT32	Incremental	active	The total number of location update accept messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-accept-rx	INT32	Incremental	active	The total number of location update accept messages received.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-rej-tx	INT32	Incremental	active	The total number of location update reject messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-rej-retx	INT32	Incremental	active	The total number of location update reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-rej-rx	INT32	Incremental	active	The total number of location update reject messages received.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-timeout-tx	INT32	Incremental	active	Not supported.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-timeout-retx	INT32	Incremental	active	Not supported.	Not Defined	Not Defined	Standard
sgs-vlr	localupd-timeout-rx	INT32	Incremental	active	SGS-AP Statistics - The total number of Location Update Request messages not received from HSS/MSC.	SGs-AP ts6-1 timer expiration.	Not Defined	Standard
sgs-vlr	tmsi-reloc-tx	INT32	Incremental	active	The total number of TMSI reallocation complete messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	tmsi-reloc-retx	INT32	Incremental	active	The total number of TMSI reallocation complete messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	tmsi-reloc-rx	INT32	Incremental	active	The total number of TMSI reallocation complete messages received.	Not Defined	Not Defined	Standard
sgs-vlr	alert-req-tx	INT32	Incremental	active	The total number of alert request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-req-retx	INT32	Incremental	active	The total number of alert request messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-req-rx	INT32	Incremental	active	The total number of alert request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	alert-ack-tx	INT32	Incremental	active	The total number of alert ack messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-ack-retx	INT32	Incremental	active	The total number of alert ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-ack-rx	INT32	Incremental	active	The total number of alert ack messages received.	Not Defined	Not Defined	Standard
sgs-vlr	alert-rej-tx	INT32	Incremental	active	The total number of alert reject messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-rej-retx	INT32	Incremental	active	The total number of alert reject messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	alert-rej-rx	INT32	Incremental	active	The total number of alert reject messages.	Not Defined	Not Defined	Standard
sgs-vlr	ue-actind-tx	INT32	Incremental	active	The total number of UE activity indication messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ue-actind-retx	INT32	Incremental	active	The total number of UE activity indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ue-actind-rx	INT32	Incremental	active	The total number of UE activity indication messages received.	Not Defined	Not Defined	Standard
sgs-vlr	eps-detind-tx	INT32	Incremental	active	The total number of EPS detach indication messages transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgs-vlr	eps-detind-retx	INT32	Incremental	active	The total number of EPS detach indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	eps-detind-rx	INT32	Incremental	active	The total number of EPS detach indication messages received.	Not Defined	Not Defined	Standard
sgs-vlr	eps-detack-tx	INT32	Incremental	active	The total number of EPS detach ack messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	eps-detack-retx	INT32	Incremental	active	The total number of EPS detach ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	eps-detack-rx	INT32	Incremental	active	The total number of EPS detach ack messages received.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detind-tx	INT32	Incremental	active	The total number of IMSI detach indication messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detind-retx	INT32	Incremental	active	The total number of IMSI detach indication messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detind-rx	INT32	Incremental	active	The total number of IMSI detach indication messages received.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detack-tx	INT32	Incremental	active	The total number of IMSI detach ack messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detack-retx	INT32	Incremental	active	The total number of IMSI detach ack messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	imsi-detack-rx	INT32	Incremental	active	The total number of IMSI detach ack messages received.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ind-tx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ind-retx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ind-rx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ack-tx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ack-retx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	reset-ack-rx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
sgs-vlr	mm-inforeq-tx	INT32	Incremental	active	The total number of MM information request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	mm-inforeq-retx	INT32	Incremental	active	The total number of MM information request messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	mm-inforeq-rx	INT32	Incremental	active	The total number of MM information request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	rel-req-tx	INT32	Incremental	active	The total number of release request messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	rel-req-retx	INT32	Incremental	active	The total number of release request messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	rel-req-rx	INT32	Incremental	active	The total number of release request messages received.	Not Defined	Not Defined	Standard
sgs-vlr	status-tx	INT32	Incremental	active	The total number of status messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	status-retx	INT32	Incremental	active	The total number of status messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	status-rx	INT32	Incremental	active	The total number of status messages received.	Not Defined	Not Defined	Standard
sgs-vlr	ue-unreach-tx	INT32	Incremental	active	The total number of UE unreachable messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ue-unreach-retx	INT32	Incremental	active	The total number of UE unreachable messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	ue-unreach-rx	INT32	Incremental	active	The total number of UE unreachable messages received.	Not Defined	Not Defined	Standard
sgs-vlr	service-abortreq-tx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages transmitted by this service.	Not Defined	Not Defined	Standard
sgs-vlr	service-abortreq-retx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages retransmitted by this service.	Not Defined	Not Defined	Standard
sgs-vlr	service-abortreq-rx	INT32	Incremental	active	The total number of SGsAP-SERVICE-ABORT-REQUEST messages received by this service.	Not Defined	Not Defined	Standard
sgs-vlr	unk-msg-tx	INT32	Incremental	active	The total number of unknown messages transmitted.	Not Defined	Not Defined	Standard
sgs-vlr	unk-msg-retx	INT32	Incremental	active	The total number of unknown messages retransmitted.	Not Defined	Not Defined	Standard
sgs-vlr	unk-msg-rx	INT32	Incremental	active	The total number of unknown messages received.	Not Defined	Not Defined	Standard
sgs-vlr	offload-count	INT32	Gauge	active	The current number of UEs marked for VLR offload as a result of the use of \\'sgs offload\\' command.	Not Defined	Not Defined	Standard
sgs-vlr	failure-count	INT32	Gauge	active	The current number of UEs the MME is attempting to detach due a VLR becoming unavailable.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgs-vlr	recover-count	INT32	Gauge	active	The number of Circuit Switched Fall Back (SMS-only) UEs which the MME is currently attempting to recover due to a VLR becoming unavailable.	Not Defined	Not Defined	Standard
sgs-vlr	offload-total	INT32	Incremental	active	The total number of UEs offloaded as a result of the use of \\'sgs offload\\' command.	Not Defined	Not Defined	Standard
sgs-vlr	failure-total	INT32	Incremental	active	The total number of UEs the MME has detached due a VLR becoming unavailable.	Not Defined	Not Defined	Standard
sgs-vlr	recover-total	INT32	Incremental	active	The total number of Circuit Switched Fall Back (SMS-only) UEs which the MME has recovered as a result of a VLR becoming unavailable.	Not Defined	Not Defined	Standard
hsgw	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hsgw	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HSGW service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hsgw	servname	STRING	Primary-key	active	The name of the HSGW service for which these statistics are being displayed.	Configuration	Per HSGW Service	Standard
hsgw	servid	INT32	Primary-key	active	The identification number of the HSGW service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per HSGW Service	Standard
hsgw	sessstat-totcur-ue	INT32	Gauge	active	Session Statistics - Total Current - UE Active	Not Defined	Not Defined	Standard
hsgw	sessstat-totcur-pdn	INT32	Gauge	active	Session Statistics - Total Current - PDN	Not Defined	Not Defined	Standard
hsgw	sessstat-totcur-bearers	INT32	Gauge	active	Session Statistics - Total Current - Bearers	Not Defined	Not Defined	Standard
hsgw	sessstat-totcur-pdn-ipv4	INT32	Gauge	active	Session Statistics - Total Current - PDN - IPv4 Setups	Not Defined	Not Defined	Standard
hsgw	sessstat-totcur-pdn-ipv6	INT32	Gauge	active	Session Statistics - Total Current - PDN - IPv6 Setups	Not Defined	Not Defined	Standard
hsgw	sessstat-totcur-pdn-ipv4v6	INT32	Gauge	active	Session Statistics - Total Current - PDN - IPv4 and IPv6 Setups	Not Defined	Not Defined	Standard
hsgw	sessstat-totsetup-ue	INT32	Incremental	active	Session Statistics - Total Setup - UE	Not Defined	Not Defined	Standard
hsgw	sessstat-totsetup-pdn	INT32	Incremental	active	Session Statistics - Total Setup - PDN	Increments when a new PDN connection request is received.	Not Defined	Standard
hsgw	sessstat-totsetup-bearers	INT32	Incremental	active	Session Statistics - Total Setup - Bearers	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnsetuptype-ipv4	INT32	Incremental	active	Session Statistics - Total PDNs Setup Per PDN-type - IPv4	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnsetuptype-ipv6	INT32	Incremental	active	Session Statistics - Total PDNs Setup Per PDN-type - IPv6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnsetuptype-ipv4v6	INT32	Incremental	active	Session Statistics - Total PDNs Setup Per PDN-type - IPv4v6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrel-ipv4	INT32	Incremental	active	Session Statistics - Total PDNs Released - IPv4	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrel-ipv6	INT32	Incremental	active	Session Statistics - Total PDNs Released - IPv6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrel-ipv4v6	INT32	Incremental	active	Session Statistics - Total PDNs Released - IPv4v6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrelrsn-pcf	INT32	Incremental	active	Session Statistics - Total PDNs Released Reason - PCFMME Ini	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrelrsn-pgw	INT32	Incremental	active	Session Statistics - Total PDNs Released reason - PGW Initiated	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrelrsn-pcrf	INT32	Incremental	active	Session Statistics - Total PDNs Released reason - PCRF Initiated	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrelrsn-local	INT32	Incremental	active	Session Statistics - Total PDNs Released reason - Local	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrelrsn-other	INT32	Incremental	active	Session Statistics - Total PDNs Released reason - Other	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrej-ipv4	INT32	Incremental	active	Session Statistics - Total PDNs Rejected - IPv4	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrej-ipv6	INT32	Incremental	active	Session Statistics - Total PDNs Rejected - IPv6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrej-ipv4v6	INT32	Incremental	active	Session Statistics - Total PDNs Rejected - IPv4v6	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-pgw	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - P-GW Reject	Increments when the S-GW receives a PDN Connection Reject from the P-GW.	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-apnauth	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - APN Auth Failure License	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hsgw	sessstat-pdnrejrsn-other	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - Other	Increments when the S-GW receives a path failure from S1/S4 or S5 side when the PDN Connection is in Connecting state.	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-pgwrej	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - No PGW AvailableOverload	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-pdnexists	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - PDN Already ExisCongestion	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-adminrej	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - Admin Prohibited	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-limitexceed	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - PDN Limit ExceededOther	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-unreach	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - PDN GW Unreachable	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-rscunavail	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - Resource Unavailable	Not Defined	Not Defined	Standard
hsgw	sessstat-pdnrejrsn-sublimit	INT32	Incremental	active	Session Statistics - Total PDNs Rejected Reason - Subscription Limitation	Not Defined	Not Defined	Standard
hsgw	sessstat-totinter-ho	INT32	Incremental	active	Session Statistics - HandOff Statistics - Total Inter HSGW HO	Not Defined	Not Defined	Standard
hsgw	sessstat-totintra-ho	INT32	Incremental	active	Session Statistics - HandOff Statistics - Total Intra HSGW HO	Not Defined	Not Defined	Standard
hsgw	sessstat-active	INT32	Incremental	active	Session Statistics - HandOff Statistics - Active	Not Defined	Not Defined	Standard
hsgw	sessstat-dormant	INT32	Incremental	active	Session Statistics - HandOff Statistics - Dormant	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-totcur	INT32	Gauge	active	Session Statistics - A10 Statistics - Total A10s Current	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-maincur	INT32	Gauge	active	Session Statistics - A10 Statistics - Main A10s Current	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-auxcur	INT32	Gauge	active	Session Statistics - A10 Statistics - Aux A10s Current	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-totsetup	INT32	Gauge	active	Session Statistics - A10 Statistics - Total A10s Setup	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-mainsetup	INT32	Gauge	active	Session Statistics - A10 Statistics - Main A10s Setup	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-auxsetup	INT32	Gauge	active	Session Statistics - A10 Statistics - Aux A10s Setup	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-totrel	INT32	Incremental	active	Session Statistics - A10 Statistics - Total A10s Released	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-mainrel	INT32	Incremental	active	Session Statistics - A10 Statistics - Main A10s Released	Not Defined	Not Defined	Standard
hsgw	sessstat-a10s-auxrel	INT32	Incremental	active	Session Statistics - A10 Statistics - Aux A10s Released	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci1	INT32	Incremental	active	Total EPS Bearers Setup - QCI 1	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci2	INT32	Incremental	active	Total EPS Bearers Setup - QCI 2	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci3	INT32	Incremental	active	Total EPS Bearers Setup - QCI 3	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci4	INT32	Incremental	active	Total EPS Bearers Setup - QCI 4	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci5	INT32	Incremental	active	Total EPS Bearers Setup - QCI 5	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci6	INT32	Incremental	active	Total EPS Bearers Setup - QCI 6	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci7	INT32	Incremental	active	Total EPS Bearers Setup - QCI 7	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci8	INT32	Incremental	active	Total EPS Bearers Setup - QCI 8	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-qci9	INT32	Incremental	active	Total EPS Bearers Setup - QCI 9	Not Defined	Not Defined	Standard
hsgw	totepsbearsetup-other	INT32	Incremental	active	Total EPS Bearers Setup - Other	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci1	INT32	Incremental	active	Total EPS Bearers Released - QCI 1	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci2	INT32	Incremental	active	Total EPS Bearers Released - QCI 2	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci3	INT32	Incremental	active	Total EPS Bearers Released - QCI 3	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci4	INT32	Incremental	active	Total EPS Bearers Released - QCI 4	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci5	INT32	Incremental	active	Total EPS Bearers Released - QCI 5	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci6	INT32	Incremental	active	Total EPS Bearers Released - QCI 6	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci7	INT32	Incremental	active	Total EPS Bearers Released - QCI 7	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci8	INT32	Incremental	active	Total EPS Bearers Released - QCI 8	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-qci9	INT32	Incremental	active	Total EPS Bearers Released - QCI 9	Not Defined	Not Defined	Standard
hsgw	totepsbearrel-other	INT32	Incremental	active	Total EPS Bearers Released - Other	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci1	INT32	Incremental	active	Total EPS Bearers Modified - QCI 1	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hsgw	totepsbearmod-qci2	INT32	Incremental	active	Total EPS Bearers Modified - QCI 2	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci3	INT32	Incremental	active	Total EPS Bearers Modified - QCI 3	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci4	INT32	Incremental	active	Total EPS Bearers Modified - QCI 4	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci5	INT32	Incremental	active	Total EPS Bearers Modified - QCI 5	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci6	INT32	Incremental	active	Total EPS Bearers Modified - QCI 6	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci7	INT32	Incremental	active	Total EPS Bearers Modified - QCI 7	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci8	INT32	Incremental	active	Total EPS Bearers Modified - QCI 8	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-qci9	INT32	Incremental	active	Total EPS Bearers Modified - QCI 9	Not Defined	Not Defined	Standard
hsgw	totepsbearmod-other	INT32	Incremental	active	Total EPS Bearers Modified - Other	Not Defined	Not Defined	Standard
hsgw	totepsbearrelrsn-pgw	INT32	Incremental	active	Total EPS Bearers Released - Total Dedicated Bearers Released Reason - PGW Ini	Not Defined	Not Defined	Standard
hsgw	totepsbearrelrsn-pcrf	INT32	Incremental	active	Total EPS Bearers Released - Total Dedicated Bearers Released Reason - PCRF Ini	Not Defined	Not Defined	Standard
hsgw	totepsbearrelrsn-hsgw	INT32	Incremental	active	Total EPS Bearers Released - Total Dedicated Bearers Released Reason - HSGW IniS1 Error Ind	Not Defined	Not Defined	Standard
hsgw	totepsbearrelrsn-pdn	INT32	Incremental	active	Total EPS Bearers Released - Total Dedicated Bearers Released Reason - PDN DownS5 Error Ind	Not Defined	Not Defined	Standard
hsgw	totepsbearrelrsn-other	INT32	Incremental	active	Total EPS Bearers Released - Total Dedicated Bearers Released Reason - Other	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci1totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 1 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci1totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 1 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci2totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 2 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci2totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 2 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci3totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 3 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci3totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 3 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci4totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 4 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci4totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 4 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci5totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 5 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci5totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 5 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci6totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 6 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci6totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 6 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci7totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 7 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci7totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 7 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci8totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 8 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci8totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 8 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci9totbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 9 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-qci9totpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - QCI 9 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-othertotbyte	INT64	Incremental	active	Data Statistics - Uplink Stats - Other Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-uplink-othertotpkt	INT64	Incremental	active	Data Statistics - Uplink Stats - Other Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci1totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 1 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci1totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 1 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci2totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 2 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci2totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 2 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci3totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 3 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci3totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 3 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci4totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 4 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci4totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 4 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci5totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 5 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci5totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 5 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci6totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 6 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci6totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 6 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci7totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 7 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci7totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 7 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci8totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 8 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci8totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 8 Total-Packets	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hsgw	datastat-downlink-qci9totbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 9 Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-qci9totpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - QCI 9 Total-Packets	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-othertotbyte	INT64	Incremental	active	Data Statistics - Downlink Stats - Other Total-Bytes	Not Defined	Not Defined	Standard
hsgw	datastat-downlink-othertotpkt	INT64	Incremental	active	Data Statistics - Downlink Stats - Other Total-Packets	Not Defined	Not Defined	Standard
hsgw	ipv4-pdn-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN to user packets	Not Defined	Not Defined	Standard
hsgw	ipv4-pdn-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN to user bytes	Not Defined	Not Defined	Standard
hsgw	ipv4-pdn-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN from user packets	Not Defined	Not Defined	Standard
hsgw	ipv4-pdn-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4 PDN from user bytes	Not Defined	Not Defined	Standard
hsgw	ipv6-pdn-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN to user pkts	Not Defined	Not Defined	Standard
hsgw	ipv6-pdn-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN to user bytes	Not Defined	Not Defined	Standard
hsgw	ipv6-pdn-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN from user packets	Not Defined	Not Defined	Standard
hsgw	ipv6-pdn-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv6 PDN from user bytes	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv4-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 to user packets	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv4-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 to user bytes	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv4-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 from user packets	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv4-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv4 from user bytes	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv6-to-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 to user packets	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv6-to-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 to user bytes	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv6-from-user-pkt	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 from user packets	Not Defined	Not Defined	Standard
hsgw	ipv4v6-pdn-ipv6-from-user-byte	INT64	Incremental	active	Subscriber Data Statistics - IPv4v6 PDN IPv6 from user bytes	Not Defined	Not Defined	Standard
hsgw	8021p-priority0-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 0.	Not Defined	Not Defined	Standard
hsgw	8021p-priority0-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 0.	Not Defined	Not Defined	Standard
hsgw	8021p-priority1-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 1.	Not Defined	Not Defined	Standard
hsgw	8021p-priority1-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 1.	Not Defined	Not Defined	Standard
hsgw	8021p-priority2-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 2.	Not Defined	Not Defined	Standard
hsgw	8021p-priority2-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 2.	Not Defined	Not Defined	Standard
hsgw	8021p-priority3-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 3.	Not Defined	Not Defined	Standard
hsgw	8021p-priority3-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 3.	Not Defined	Not Defined	Standard
hsgw	8021p-priority4-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 4.	Not Defined	Not Defined	Standard
hsgw	8021p-priority4-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 4.	Not Defined	Not Defined	Standard
hsgw	8021p-priority5-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 5.	Not Defined	Not Defined	Standard
hsgw	8021p-priority5-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 5.	Not Defined	Not Defined	Standard
hsgw	8021p-priority6-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 6.	Not Defined	Not Defined	Standard
hsgw	8021p-priority6-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 6.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hsgw	8021p-priority7-uplinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the uplink direction marked with 802.1p priority 7.	Not Defined	Not Defined	Standard
hsgw	8021p-priority7-downlinkpkt-marked	INT64	Incremental	active	The total number of packets sent in the downlink direction marked with 802.1p priority 7.	Not Defined	Not Defined	Standard
rp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
rp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the RP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
rp	servname	STRING	Primary-key	active	The name of the RP service for which these statistics are being displayed.	Configuration	Per RP Service	Standard
rp	svctype	STRING	Primary-key	active	Indicates the type of services running for this schema. This is for HSGW. ST16PR: 102653 (OP). It is collected at the per service level.	Not Defined	Not Defined	Standard
rp	num-sessions	INT32	Gauge	active	The current total number of RP sessions	Not Defined	Not Defined	Standard
rp	sess-cursetup	INT32	Gauge	active	The total number of current sessions per service.	Not Defined	Not Defined	Standard
rp	sess-currevasetup	INT32	Incremental	active	The total number of current EVDO-Rev A sessions per service.	Not Defined	Not Defined	Standard
rp	sess-ttlsetup	INT32	Incremental	active	The total sessions setup per service.	Not Defined	Not Defined	Standard
rp	sess-ttlrevasetup	INT32	Incremental	active	The total EVDO-Rev A sessions setup per service.	Not Defined	Not Defined	Standard
rp	sess-ttlrevareleased	INT32	Incremental	active	The total EVDO-Rev A sessions released per service.	Not Defined	Not Defined	Standard
rp	sess-ttlrevadowngrade	INT32	Incremental	active	The total EVDO-Rev A sessions that were downgraded per service.	Not Defined	Not Defined	Standard
rp	sess-ttlreleased	INT32	Incremental	active	The total number of sessions released per service.	Not Defined	Not Defined	Standard
rp	a10-cursetup	INT32	Gauge	active	The total number of current A10s per service.	Not Defined	Not Defined	Standard
rp	a10aux-cursetup	INT32	Gauge	active	The total number of current aux A10s per service.	Not Defined	Not Defined	Standard
rp	a10main-cursetup	INT32	Gauge	active	The total number of current main A10s per service.	Not Defined	Not Defined	Standard
rp	a10-ttlsetup	INT32	Incremental	active	The total number of A10s setup per service.	Not Defined	Not Defined	Standard
rp	a10aux-ttlsetup	INT32	Incremental	active	The total number of aux A10s setup per service.	Not Defined	Not Defined	Standard
rp	a10main-ttlsetup	INT32	Incremental	active	The total number of main a10s setup per service.	Not Defined	Not Defined	Standard
rp	a10-ttlreleased	INT32	Incremental	active	The total number of a10s released per service.	Not Defined	Not Defined	Standard
rp	a10aux-ttlreleased	INT32	Incremental	active	The total number of aux A10s released per service.	Not Defined	Not Defined	Standard
rp	a10main-ttlreleased	INT32	Incremental	active	The total number of main A10s released per service.	Not Defined	Not Defined	Standard
rp	sess-release-dereg	INT32	Incremental	active	The total number of sessions de-registered per service.	Not Defined	Not Defined	Standard
rp	sess-release-expiry	INT32	Incremental	active	The total number of sessions released due to lifetime expiry per service.	Not Defined	Not Defined	Standard
rp	sess-release-ppplayer	INT32	Incremental	active	The total number of sessions released due to a PPP Layer command reported per service.	Not Defined	Not Defined	Standard
rp	sess-release-pcfmonfail	INT32	Incremental	active	The total number of sessions released due to a PCF Monitor failure reported per service.	Not Defined	Not Defined	Standard
rp	sess-release-grekey	INT32	Incremental	active	The total number of sessions released due to a GRE Key Mismatch reported per service.	Not Defined	Not Defined	Standard
rp	sess-release-purged	INT32	Incremental	active	The total number of sessions released due to inconsistencies found during audits between the A11 Manager task and the Session Manager task. When an inconsistency is identified, the session is released and accounting stops are issued.	Not Defined	Not Defined	Standard
rp	sess-release-other	INT32	Incremental	active	The total number of sessions released due to other reasons reported per service.	Not Defined	Not Defined	Standard
rp	recv-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
rp	accept-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
rp	denied-total	INT32	Incremental	active	The total number of registration requests that have been rejected.	Not Defined	Not Defined	Standard
rp	reply-total	INT32	Incremental	active	The total number of registration replies sent.	Not Defined	Not Defined	Standard
rp	discard-total	INT32	Incremental	active	The total number of registration requests that have been discarded.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	accept-initial	INT32	Incremental	active	The total number of initial registration requests received and accepted.	Not Defined	Not Defined	Standard
rp	recv-initial	INT32	Incremental	active	The total number of initial registration requests received.	Not Defined	Not Defined	Standard
rp	accept-active-intrapdsn	INT32	Gauge	active	The total number of registration requests received with ACTIVE START for an intra-PDSN handoff.	Not Defined	Not Defined	Standard
rp	accept-dormant-intrapdsn	INT32	Gauge	active	The total number of registration requests received with ACTIVE STOP for an intra-PDSN handoff.	Not Defined	Not Defined	Standard
rp	accept-interpdsn	INT32	Incremental	active	The total number of registration requests received for sessions going through an inter-PDSN handoff.	Not Defined	Not Defined	Standard
rp	reva-rrq-recv	INT32	Incremental	active	The total number of Rev-A RRQs received per service.	Not Defined	Not Defined	Standard
rp	reva-rrq-accept	INT32	Incremental	active	The total number of Rev-A RRQs accepted per service.	Not Defined	Not Defined	Standard
rp	reva-rrq-denied	INT32	Incremental	active	The total number of Rev-A RRQs denied per service.	Not Defined	Not Defined	Standard
rp	reva-rrq-reply	INT32	Incremental	active	The total number of Rev-A RRQs per service that were replied to.	Not Defined	Not Defined	Standard
rp	denied-initial	INT32	Incremental	active	The total number of initial registration requests received and rejected.	Not Defined	Not Defined	Standard
rp	discard-initial	INT32	Incremental	active	The total number of Initial RRQ discarded.	Not Defined	Not Defined	Standard
rp	recv-initial-setupstart	INT32	Incremental	active	The total number of Initial Setup/Start RRQ received.	Not Defined	Not Defined	Standard
rp	accept-initial-setupstart	INT32	Incremental	active	The total number of Initial Setup/Start RRQ received and accepted.	Not Defined	Not Defined	Standard
rp	denied-initial-setupstart	INT32	Incremental	active	The total number of Initial Setup/Start RRQ received and denied.	Not Defined	Not Defined	Standard
rp	discard-initial-setupstart	INT32	Incremental	active	The total number of initial start or setup registration requests that have been received and discarded.	Not Defined	Not Defined	Standard
rp	accept-renew	INT32	Incremental	active	The total number of registration request renewals received and accepted.	Not Defined	Not Defined	Standard
rp	denied-renew	INT32	Incremental	active	The total number of registration request renewals received and rejected.	Not Defined	Not Defined	Standard
rp	recv-renew	INT32	Incremental	active	The total number of registration request renewals received.	Not Defined	Not Defined	Standard
rp	discard-renew	INT32	Incremental	active	The total number of registration request renewals received and discarded	Not Defined	Not Defined	Standard
rp	recv-renew-noairlink	INT32	Incremental	active	The total number of registration request renewals received due to No airlink.	Not Defined	Not Defined	Standard
rp	accept-renew-noairlink	INT32	Incremental	active	The total number of registration request renewals received due to No airlink and accepted.	Not Defined	Not Defined	Standard
rp	denied-renew-noairlink	INT32	Incremental	active	The total number of registration request renewals received due to No airlink and denied.	Not Defined	Not Defined	Standard
rp	discard-renew-noairlink	INT32	Incremental	active	The total number of registration request renewals received due to No airlink and discarded.	Not Defined	Not Defined	Standard
rp	recv-renew-activestart	INT32	Incremental	active	The total number of RRQ renewals with an Active Start record received.	Not Defined	Not Defined	Standard
rp	accept-renew-activestart	INT32	Incremental	active	The total number of RRQ renewals with an Active Start record received and accepted.	Not Defined	Not Defined	Standard
rp	denied-renew-activestart	INT32	Incremental	active	The total number of RRQ renewals with an Active Start record received and denied.	Not Defined	Not Defined	Standard
rp	discard-renew-activestart	INT32	Incremental	active	The total number of RRQ renewals with an Active Start record received and discarded.	Not Defined	Not Defined	Standard
rp	recv-renew-activestop	INT32	Incremental	active	The total number of RRQ renewals with an Active Stop record received.	Not Defined	Not Defined	Standard
rp	accept-renew-activestop	INT32	Incremental	active	The total number of RRQ renewals with an Active Stop record received and accepted.	Not Defined	Not Defined	Standard
rp	denied-renew-activestop	INT32	Incremental	active	The total number of RRQ renewals with an Active Stop record received and denied.	Not Defined	Not Defined	Standard
rp	discard-renew-activestop	INT32	Incremental	active	The total number of RRQ renewals with an Active Stop record received and discarded.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	accept-dereg	INT32	Incremental	active	The total number of de-registration requests received and accepted.	Not Defined	Not Defined	Standard
rp	denied-dereg	INT32	Incremental	active	The total number of de-registration request renewals received and rejected.	Not Defined	Not Defined	Standard
rp	recv-dereg	INT32	Incremental	active	The total number of de-registration request renewals received.	Not Defined	Not Defined	Standard
rp	discard-dereg	INT32	Incremental	active	The the total number of de-registration requests received and discarded.	Not Defined	Not Defined	Standard
rp	recv-dereg-noactivestop	INT32	Incremental	active	The total number of de-registration requests with a No Active Stop record received.	Not Defined	Not Defined	Standard
rp	accept-dereg-noactivestop	INT32	Incremental	active	The total number of de-registration requests with a No Active Stop record received and accepted.	Not Defined	Not Defined	Standard
rp	denied-dereg-noactivestop	INT32	Incremental	active	The total number of de-registration requests with a No Active Stop record received and denied	Not Defined	Not Defined	Standard
rp	discard-dereg-noactivestop	INT32	Incremental	active	The total number of de-registration requests with a No Active Stop record received and discarded.	Not Defined	Not Defined	Standard
rp	recv-dereg-activestop	INT32	Incremental	active	The the total number of de-registration request with an Active Stop record received.	Not Defined	Not Defined	Standard
rp	accept-dereg-activestop	INT32	Incremental	active	The the total number of de-registration request with an Active Stop record received and accepted.	Not Defined	Not Defined	Standard
rp	denied-dereg-activestop	INT32	Incremental	active	The the total number of de-registration request with an Active Stop record received and denied.	Not Defined	Not Defined	Standard
rp	discard-dereg-activestop	INT32	Incremental	active	The the total number of de-registration request with an Active Stop record received and discarded.	Not Defined	Not Defined	Standard
rp	recv-intrapdsn-activeanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with active Access Network Identifier (ANID) received.	Not Defined	Not Defined	Standard
rp	accept-intrapdsn-activeanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with active ANID received and accepted.	Not Defined	Not Defined	Standard
rp	denied-intrapdsn-activeanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with active ANID received and denied.	Not Defined	Not Defined	Standard
rp	discard-intrapdsn-activeanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with active ANID received and discarded.	Not Defined	Not Defined	Standard
rp	recv-intrapdsn-dormantanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with dormant ANID received.	Not Defined	Not Defined	Standard
rp	accept-intrapdsn-dormantanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with dormant ANID received and accepted.	Not Defined	Not Defined	Standard
rp	denied-intrapdsn-dormantanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with dormant ANID received and denied.	Not Defined	Not Defined	Standard
rp	discard-intrapdsn-dormantanidhandoff	INT32	Gauge	active	The total number of intra PDSN handoff RRQs with dormant ANID received and discarded.	Not Defined	Not Defined	Standard
rp	recv-interpdsn-activemeianidhandoff	INT32	Gauge	active	The total number of inter PDSN handoff RRQs with active Mobility Event Indicator (MEI) and ANID received.	Not Defined	Not Defined	Standard
rp	accept-interpdsn-activemeianidhandoff	INT32	Gauge	active	The total number of inter PDSN handoff RRQs with active MEI and ANID received and accepted.	Not Defined	Not Defined	Standard
rp	denied-interpdsn-activemeianidhandoff	INT32	Gauge	active	The total number of inter PDSN handoff RRQs with active MEI and ANID received and denied.	Not Defined	Not Defined	Standard
rp	discard-interpdsn-activemeianidhandoff	INT32	Gauge	active	The total number of inter PDSN handoff RRQs with active MEI and ANID received and discarded.	Not Defined	Not Defined	Standard
rp	send-error	INT32	Incremental	active	The total number of registration replies for which errors were experienced during transmission.	Not Defined	Not Defined	Standard
rp	hash-error	INT32	Incremental	active	The total number of registration requests that had internal hash lookup errors.	Not Defined	Not Defined	Standard
rp	decode-error	INT32	Incremental	active	The total number of registration requests that had decode errors.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	unhandled	INT32	Incremental	active	The total number of registration requests that had unhandled errors.	Not Defined	Not Defined	Standard
rp	seqerror	INT32	Incremental	active	The total number of registration requests that had sequence numbers that were not acceptable.	Not Defined	Not Defined	Standard
rp	deny-unspec	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 80H (Registration Denied - reason unspecified)	Not Defined	Not Defined	Standard
rp	deny-adminprohib	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 81H (Registration Denied - administratively prohibited).	Not Defined	Not Defined	Standard
rp	deny-noresource	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 82H (Registration Denied - insufficient resources).	Not Defined	Not Defined	Standard
rp	deny-auth	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 83H (Registration Denied - mobile node failed authentication).	Not Defined	Not Defined	Standard
rp	deny-idmismatch	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 85H (Registration Denied - identification mismatch).	Not Defined	Not Defined	Standard
rp	deny-badrequest	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 86H (Registration Denied - poorly formed request).	Not Defined	Not Defined	Standard
rp	deny-unknownpdsn	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 88H (Registration Denied - unknown PDSN address)	Not Defined	Not Defined	Standard
rp	deny-revtununavail	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 89H (Registration Denied - requested reverse tunnel unavailable).	Not Defined	Not Defined	Standard
rp	deny-revtunreq	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 8AH (Registration Denied - reverse tunnel is mandatory and T-bit not set).	Not Defined	Not Defined	Standard
rp	deny-unrecogvend	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 8DH (Registration Denied - unsupported vendor ID or unable to interpret data in the CVSE).	Not Defined	Not Defined	Standard
rp	deny-sessclosed	INT32	Incremental	active	The total number of registration requests that were denied using an error code 0x8E for absent RP sessions. Refer to the session-already-closed keyword for the registration-deny command in the PDSN Configuration Mode chapter of the Command Line Interface Reference for additional information.	Not Defined	Not Defined	Standard
rp	deny-bsninfo	INT32	Incremental	active	The total number of registration requests that were denied because BSN information was unavailable.	Not Defined	Not Defined	Standard
rp	deny-noresource-nosessmgr	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, no session manager reported per service.	Not Defined	Not Defined	Standard
rp	deny-noresource-nomem	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, no memory reported per service.	Not Defined	Not Defined	Standard
rp	deny-noresource-sessmgrretried	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, session managers retried reported per service.	Not Defined	Not Defined	Standard
rp	deny-noresource-inputq	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, input queue exceeded reported per service.	Not Defined	Not Defined	Standard
rp	deny-noresource-policy	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, policy rejected reported per service.	Not Defined	Not Defined	Standard
rp	deny-noresource-sessmgrrej	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, session manager rejected reported per service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	deny-noresource-a11mgrrej	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, A11 manager rejected reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-alrdorm	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, session already dormant reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-alractive	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, already active reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-setupabsent	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, airlink setup absent reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-miscoaaddr	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, mismatched CoA/Source address reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-pkttooshort	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, packet too short reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-pkttoolong	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, packet too long reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-fieldlen	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid field length reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-flags	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid flags reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-hoanonzero	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, HOA non-zero reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-sse	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid SSE reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-vse	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid VSE reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-authextn	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid authorization extension reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-unkextn	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, invalid unknown extension reported per service.	Not Defined	Not Defined	Standard
rp	deny-badrequest-other	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, other reason reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-nullpkt	INT32	Incremental	active	The total number of RRQ denied due to unspecified reason, null packet received reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-lifezero	INT32	Incremental	active	The total number of RRQ denied due to unspecified reason, lifetime zero in initial RRQ reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-notready	INT32	Incremental	active	The total number of RRQ denied due to unspecified reason, session manager not ready reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-crphandoff	INT32	Incremental	active	The total number of RRQ denied due to unspecified reason, Closed RP handoff in progress reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-noairlink	INT32	Incremental	active	The total number of RRQ denied due to unspecified reason, no airlink setup reported per service.	Not Defined	Not Defined	Standard
rp	deny-unspec-intrahandoff	INT32	Incremental	active	The total number of RRQ Denied due to unspecified reason, intra PDSN handoff triggered reported per service.	Not Defined	Not Defined	Standard
rp	deny-cong-drop	INT32	Incremental	active	The total number of denied registration replies discarded due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard
rp	deny-cong-adminprohib	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 81H (Registration Denied - administratively prohibited) due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	deny-cong-unknownpdsn	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 88H (Registration Denied - unknown PDSN address) due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Not Defined	Standard
rp	upd-total	INT32	Incremental	active	The total number of registration updates that were transmitted.	Not Defined	Not Defined	Standard
rp	upd-accept	INT32	Incremental	active	The total number of registration updates that were accepted by the PCF.	Not Defined	Not Defined	Standard
rp	upd-denied	INT32	Incremental	active	The total number of registration updates that were denied.	Not Defined	Not Defined	Standard
rp	upd-unack	INT32	Incremental	active	The total number of registration updates that were not acknowledged.	Not Defined	Not Defined	Standard
rp	upd-trans	INT32	Incremental	active	The total number of initial registration updates that were transmitted.	Not Defined	Not Defined	Standard
rp	upd-ttlnoretrans	INT32	Incremental	active	The total number of registration updates that were not re-transmitted due to TTL expiration.	Not Defined	Not Defined	Standard
rp	upd-retrans	INT32	Incremental	active	The total number of registration updates that were re-transmitted.	Not Defined	Not Defined	Standard
rp	upd-received	INT32	Incremental	active	The total number of registration acknowledgements that were received.	Not Defined	Not Defined	Standard
rp	upd-ack-received	INT32	Incremental	active	The total number of registration acknowledgements that were received.	Not Defined	Not Defined	Standard
rp	upd-discard	INT32	Incremental	active	The total number of registration acknowledgements that were discarded.	Not Defined	Not Defined	Standard
rp	upd-senderror	INT32	Incremental	active	The total number of registration updates for which errors were experienced during transmission.	Not Defined	Not Defined	Standard
rp	upd-upltrinit	INT32	Incremental	active	The total number of registration updates that were initiated by upper processing layers. This statistic is obsolete.	Not Defined	Not Defined	Standard
rp	upd-uplyrinit	INT32	Incremental	active	The total number of registration updates that were initiated by upper processing layers. This statistic is obsolete.	Not Defined	Not Defined	Standard
rp	upd-other	INT32	Incremental	active	The total number of registration updates that were sent due to reasons other than those listed here.	Not Defined	Not Defined	Standard
rp	upd-handoff	INT32	Incremental	active	The number of registration updates that were sent due to handoff releases.	Not Defined	Not Defined	Standard
rp	upd-lifetime	INT32	Incremental	active	The total number of registration updates that the send reason was Lifetime Expiry reported per service.	Not Defined	Not Defined	Standard
rp	upd-smgrexit	INT32	Incremental	active	The total number of registration updates that the send reason was that the session manager exited reported per service.	Not Defined	Not Defined	Standard
rp	upddeny-unspec	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 80H (Registration Denied - reason unspecified).	Not Defined	Not Defined	Standard
rp	upddeny-adminprohib	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 81H (Registration Denied - administratively prohibited).	Not Defined	Not Defined	Standard
rp	upddeny-auth	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 83H (Registration Denied - mobile node failed authentication).	Not Defined	Not Defined	Standard
rp	upddeny-idmismatch	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 85H (Registration Denied - identification mismatch).	Not Defined	Not Defined	Standard
rp	upddeny-badrequest	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 86H (Registration Denied - poorly formed request).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	upd-discard-absent	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to the session having been already ended because the acknowledgement was late.	Not Defined	Not Defined	Standard
rp	upd-discard-nomem	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to insufficient memory.	Not Defined	Not Defined	Standard
rp	upd-discard-malform	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to being poorly formed.	Not Defined	Not Defined	Standard
rp	upd-discard-authfail	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to the mobile node failing authentication.	Not Defined	Not Defined	Standard
rp	upd-discard-bounce	INT32	Incremental	active	The total number of internal communication messages between an A11 Manager task and a Session Manager task that bounced (were not successfully sent).	Not Defined	Not Defined	Standard
rp	upd-discard-inputq	INT32	Incremental	active	The number of times that the queue in which incoming calls are kept prior to being processed exceeded its capacity.	Not Defined	Not Defined	Standard
rp	upd-discard-mismatchid	INT32	Incremental	active	The total number of discarded registration acknowledgements due to reply code 85H (Registration Denied - identification mismatch).	Not Defined	Not Defined	Standard
rp	upd-discard-invpktlen	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to having an invalid packet length.	Not Defined	Not Defined	Standard
rp	upd-discard-unkpcf	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to Unknown PCF.	Not Defined	Not Defined	Standard
rp	upd-discard-unhpkt	INT32	Incremental	active	The total number of registration acknowledgements that were discarded due to Unhandled Packet.	Not Defined	Not Defined	Standard
rp	upd-discard-misc	INT32	Incremental	active	The number of registration acknowledgements that were discarded due to reasons other than those listed above.	Not Defined	Not Defined	Standard
rp	sec-violations	INT32	Incremental	active	The total number of security violations that occurred.	Not Defined	Not Defined	Standard
rp	sec-badauth	INT32	Incremental	active	The total number of security violations that occurred due to a mis-computed authentication field.	Not Defined	Not Defined	Standard
rp	sec-badid	INT32	Incremental	active	The total number of security violations that occurred due to the receipt of a Security Parameter Index (SPI) that is not configured on the PDSN.	Not Defined	Not Defined	Standard
rp	sec-badspi	INT32	Incremental	active	The total number of security violations that occurred due to the receipt of a Security Parameter Index (SPI) that was in the reserved range (0 through 255).	Not Defined	Not Defined	Standard
rp	sec-mnhaauth	INT32	Incremental	active	The total number of security violations that occurred due to missing mobile node-home agent authentication extensions.	Not Defined	Not Defined	Standard
rp	sec-regupdate	INT32	Incremental	active	The total number of security violations that occurred due to missing registration update authentication extensions	Not Defined	Not Defined	Standard
rp	rrqdiscard-nosessmgr	INT32	Incremental	active	The total number of registration requests discarded due to no session manager, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-nomem	INT32	Incremental	active	The total number of registration requests discarded due to no memory, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-authfail	INT32	Incremental	active	The total number of registration requests discarded due to auth failure, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-smgrdead	INT32	Incremental	active	The total number of registration requests discarded due to session manager dead, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-adminprohib	INT32	Incremental	active	The total number of registration requests discarded due to admin prohibited, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-smgrnotready	INT32	Incremental	active	The total number of registration requests discarded due to session manager not ready, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-unkpdsn	INT32	Incremental	active	The total number of registration requests discarded due to unknown pdsn, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-bounce	INT32	Incremental	active	The total number of registration requests discarded due to internal bounce error, reported per service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	rrqdiscard-inputq	INT32	Incremental	active	The total number of registration requests discarded due to input queue exceeded, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-maxsess	INT32	Incremental	active	The total number of registration requests discarded due to max sessions reached, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-invlen	INT32	Incremental	active	The total number of registration requests discarded due to invalid packet length, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-grekey	INT32	Incremental	active	The total number of registration requests discarded due to GRE key changed, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-overload	INT32	Incremental	active	The total number of registration requests discarded due to overload/congestion, reported per service.	Not Defined	Not Defined	Standard
rp	rrqdiscard-misc	INT32	Incremental	active	The total number of registration requests discarded due to miscellaneous errors reported per service.	Not Defined	Not Defined	Standard
rp	ttlprepaid	INT32	Incremental	active	The total number of Prepaid calls facilitated by the service.	Not Defined	Not Defined	Standard
rp	curprepaid	INT32	Gauge	active	The total number of Prepaid calls currently being facilitated by the service.	Not Defined	Not Defined	Standard
rp	ttlonlineauthsucc	INT32	Incremental	active	The total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
rp	ttlonlineauthfail	INT32	Incremental	active	TThe total number of successful Online Authentications for the service.	Not Defined	Not Defined	Standard
rp	rx-pkt-xoff	INT32	Incremental	active	The total number of packets Received with XOFF per service.	Not Defined	Not Defined	Standard
rp	rx-pkt-xon	INT32	Incremental	active	The total number of packets Received with XON per Service.	Not Defined	Not Defined	Standard
rp	xontoxoff	INT32	Incremental	active	The total number of XON->XOFF transitions per service.	Not Defined	Not Defined	Standard
rp	pkt-dropped-xoff	INT32	Incremental	active	The total number of output packets dropped to XOFF per service.	Not Defined	Not Defined	Standard
rp	bytes-dropped-xoff	INT32	Incremental	active	The total number of output bytes dropped on XOFF per Service.	Not Defined	Not Defined	Standard
rp	sess-num-transmitted	INT32	Incremental	active	The total number of RP session update messages transmitted.	Not Defined	Not Defined	Standard
rp	sess-accepted	INT32	Incremental	active	The total number of RP session update ack messages accepted.	Not Defined	Not Defined	Standard
rp	sess-denied	INT32	Incremental	active	The total number of RP session update messages denied.	Not Defined	Not Defined	Standard
rp	sess-not-acknowledged	INT32	Incremental	active	The total number of RP session update messages not acknowledged.	Not Defined	Not Defined	Standard
rp	sess-initial-update	INT32	Incremental	active	The total number of RP session update messages initially transmitted.	Not Defined	Not Defined	Standard
rp	sess-update-retransmitted	INT32	Incremental	active	The total number of RP session update messages re-transmitted.	Not Defined	Not Defined	Standard
rp	sess-update-ack-received	INT32	Incremental	active	The total number of RP session update acknowledgement messages received.	Not Defined	Not Defined	Standard
rp	sess-update-ack-discarded	INT32	Incremental	active	The total number of RP session update acknowledgement messages discarded.	Not Defined	Not Defined	Standard
rp	sess-update-send-error	INT32	Incremental	active	The total number of RP session update send errors that occurred.	Not Defined	Not Defined	Standard
rp	sess-updreason-alwayson	INT32	Incremental	active	The total number of session updates sent due to Always On, reported per service. This is a Rev-A specific statistic.	Not Defined	Not Defined	Standard
rp	sess-updreason-qosinfo	INT32	Incremental	active	The total number of session updates sent due to QoS Info, reported per service.	Not Defined	Not Defined	Standard
rp	sess-updreason-qostftviol	INT32	Incremental	active	The total number of session updates sent due to TFT Violation, reported per service.	Not Defined	Not Defined	Standard
rp	sess-updreason-qostrafviol	INT32	Incremental	active	The total number of session updates sent due to Traffic Violation, reported per service.	Not Defined	Not Defined	Standard
rp	sess-updreason-qostrafpol	INT32	Incremental	active	The total number of session updates sent due to Traffic Policing, reported per service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rp	sess-updreason-qosoptrig	INT32	Incremental	active	The total number of session updates sent due to Operator Triggered, reported per service.	Not Defined	Not Defined	Standard
rp	sess-always-on-indication	INT32	Incremental	active	The total number of RP session updates supporting Always-on functionality.	Not Defined	Not Defined	Standard
rp	sess-reason-unspecified	INT32	Incremental	active	The total number of RP session update messages denied with status code reason-unspecified.	Not Defined	Not Defined	Standard
rp	sess-pdsn-auth-fail	INT32	Incremental	active	The total number of RP session update messages denied due to message authentication failure at the PCF.	Not Defined	Not Defined	Standard
rp	sess-id-mismatch	INT32	Incremental	active	The total number of RP session update messages denied due to having an ID mismatch at the PCF.	Not Defined	Not Defined	Standard
rp	sess-poorly-formed-update	INT32	Incremental	active	The total number of session update messages denied by the PCF due to poorly formed message error.	Not Defined	Not Defined	Standard
rp	sess-para-not-update	INT32	Incremental	active	The total number of update ack messages received with status code indicating that parameters were not updated.	Not Defined	Not Defined	Standard
rp	sess-upddenied-noresource	INT32	Incremental	active	The total number of session updates sent due to Insufficient Resources, reported per service.	Not Defined	Not Defined	Standard
rp	sess-upddenied-adminprohib	INT32	Incremental	active	The total number of session updates denied due to Admin Prohibited, reported per service.	Not Defined	Not Defined	Standard
rp	sess-upddenied-idnotsupp	INT32	Incremental	active	The total number of session updates denied due to Profile ID Not Supported, reported per service.	Not Defined	Not Defined	Standard
rp	sess-upddenied-handoff	INT32	Incremental	active	The total number of session updates denied due to handoffs in progress per service.	Not Defined	Not Defined	Standard
rp	sess-absent	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to no session being present at the PDSN.	Not Defined	Not Defined	Standard
rp	sess-no-memory	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to no memory available.	Not Defined	Not Defined	Standard
rp	sess-malformed	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to being malformed.	Not Defined	Not Defined	Standard
rp	sess-auth-fail	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to message authentication failure.	Not Defined	Not Defined	Standard
rp	sess-ID-bounce-error	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to internal communication error within the PDSN.	Not Defined	Not Defined	Standard
rp	sess-input-Q-exceeded	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to exceeding input pacing queues at the PDSN.	Not Defined	Not Defined	Standard
rp	sess-mismatched-ID	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to mismatched id in the message.	Not Defined	Not Defined	Standard
rp	sess-invalid-packet-length	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to bad packet length.	Not Defined	Not Defined	Standard
rp	sess-misc-reasons	INT32	Incremental	active	The total number of update ack messages that were discarded by the PDSN due to other reasons.	Not Defined	Not Defined	Standard
rp	sess-updackdisc-sessdisc	INT32	Incremental	active	Session Update Ack Discard Reasons Session Disconnecting per service.	Not Defined	Not Defined	Standard
rp	sess-updackdisc-pktnothand	INT32	Incremental	active	Session Update Ack Discard Reasons Packet Not Handled per service.	Not Defined	Not Defined	Standard
rp	sess-gre-packet-sent-sdb	INT32	Incremental	active	The total number of GRE packets transmitted in short data burst (SDB).	Not Defined	Not Defined	Standard
rp	sess-gre-byte-sent-sdb	INT32	Incremental	active	The total number of GRE bytes transmitted in short data burst (SDB).	Not Defined	Not Defined	Standard
bcmcs	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the BCMCS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
bcmcs	servname	STRING	Primary-key	active	The name of the BCMCS service for which these statistics are being displayed.	Configuration	Per BCMCS Service	Standard
bcmcs	srsp-recv-total	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests received by PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-accept-total	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests accepted by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-denied-total	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-reply-total	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service responses sent by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-discard-total	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests discarded by the PDSN service acting as the BSN.	Triggers: - Incremented when an A11-BC Service Request is discarded by the PDSN service.	Per PDSN, per PF, per session	Standard
bcmcs	srsp-accept-initial	INT32	Incremental	active	This proprietary counter indicates the total number of initial A11-BC service requests received and accepted by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-recv-initial	INT32	Incremental	active	This proprietary counter indicates the total number of initial A11-BC service requests received by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-denied-initial	INT32	Incremental	active	This proprietary counter indicates the total number of initial A11-BC service requests received and rejected by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-discard-initial	INT32	Incremental	active	This proprietary counter indicates the total number of initial A11-BC service requests discarded by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-accept-renew	INT32	Incremental	active	This proprietary counter indicates the total number of renewal A11-BC service requests received and accepted by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-denied-renew	INT32	Incremental	active	This proprietary counter indicates the total number of renewal A11-BC service requests received and denied by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-recv-renew	INT32	Incremental	active	This proprietary counter indicates the total number of renewal A11-BC service requests received by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-discard-renew	INT32	Incremental	active	This proprietary counter indicates the total number of renewal A11-BC service requests received and discarded by the PDSN service acting as the BSN.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-send-error	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service responses for which errors were experienced during transmission.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-decode-error	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that had decode errors.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-unhandled	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that had unhandled errors.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-unspec	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied for an unspecified reason.	#NAME?	Per PDSN, per PF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	srsp-deny-auth	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied due to mobile node failing authentication.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-idmismatch	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied due to identification mismatch.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-unknownbsn	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied due to unknown BSN address.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-noresource-nosessmgr	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied with insufficient resource due to no session manager.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-noresource-nomem	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests that were denied with insufficient resource due to no memory..	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-noresource-sessmgrretried	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to insufficient resource, session managers retried reported per service.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-noresource-inputq	INT32	Incremental	active	The total number of service requests denied due to insufficient resource, input queue exceeded reported per service.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-badrequest-alrdorm	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to poorly formed request, session already dormant.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-badrequest-alractive	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to poorly formed request, already active.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-badrequest-other	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to poorly formed request, other reason.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-cong-adminprohib	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to administrative prohibition due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	srsp-deny-cong-unknownbsn	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	num-sessions	INT32	Incremental	active	The current total number of RP sessions	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	recv-total	INT32	Incremental	active	Not Defined	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	accept-total	INT32	Incremental	active	Not Defined	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	denied-total	INT32	Incremental	active	The total number of registration requests that have been rejected.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	reply-total	INT32	Incremental	active	The total number of registration replies sent.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	discard-total	INT32	Incremental	active	The total number of registration requests that have been discarded.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	accept-initial	INT32	Incremental	active	The total number of initial registration requests received and accepted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	recv-initial	INT32	Incremental	active	The total number of initial registration requests received.	Not Defined	Per PDSN, per PF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	denied-initial	INT32	Incremental	active	The total number of initial registration requests received and rejected.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	discard-initial	INT32	Incremental	active	The total number of Initial RRQ discarded.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	accept-renew	INT32	Incremental	active	The total number of registration request renewals received and accepted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	denied-renew	INT32	Incremental	active	The total number of registration request renewals received and rejected.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	discard-renew	INT32	Incremental	active	The total number of registration request renewals received and discarded	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	recv-renew	INT32	Incremental	active	The total number of registration request renewals received.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	active-start-renew	INT32	Incremental	active	The total number of ACTIVE START registration request renewals received. This statistic is provided for compatibility only. Please use the accept-renew-activestart statistic.	Not Defined	Not Defined	Standard
bcmcs	active-stop-renew	INT32	Incremental	active	The total number of ACTIVE STOP registration request renewals received. This statistic is provided for compatibility only. Please use the accept-renew-activestop statistic.	Not Defined	Not Defined	Standard
bcmcs	accept-dereg	INT32	Incremental	active	The total number of de-registration requests received and accepted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	denied-dereg	INT32	Incremental	active	The total number of de-registration request renewals received and rejected.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	discard-dereg	INT32	Incremental	active	The the total number of de-registration requests received and discarded.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	recv-dereg	INT32	Incremental	active	The total number of de-registration request renewals received.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	active-stop-dereg	INT32	Incremental	active	The total number of ACTIVE STOP de-registration request renewals received and accepted. This statistic is provided for compatibility only. Please use the accept-dereg-activestop statistic.	Not Defined	Not Defined	Standard
bcmcs	send-error	INT32	Incremental	active	The total number of registration replies for which errors were experienced during transmission.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	hash-error	INT32	Incremental	active	The total number of registration requests that had internal hash lookup errors.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	decode-error	INT32	Incremental	active	The total number of registration requests that had decode errors.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	unhandled	INT32	Incremental	active	The total number of registration requests that had unhandled errors.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	seqerror	INT32	Incremental	active	The total number of registration requests that had sequence numbers that were not acceptable.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-unspec	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 80H (Registration Denied - reason unspecified)	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-adminprohib	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 81H (Registration Denied - administratively prohibited).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-noresource	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 82H (Registration Denied - insufficient resources).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-auth	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 83H (Registration Denied - mobile node failed authentication).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-idmismatch	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 85H (Registration Denied - identification mismatch).	Not Defined	Per PDSN, per PF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	deny-badrequest	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 86H (Registration Denied - poorly formed request).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-unknownbsn	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC registration requests that were denied unknown BSN address.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	deny-revtununavail	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 89H (Registration Denied - requested reverse tunnel unavailable).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-revtunreq	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 8AH (Registration Denied - reverse tunnel is mandatory and T-bit not set).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-unrecogvend	INT32	Incremental	active	The total number of registration requests that were denied using reply code of 8DH (Registration Denied - unsupported vendor ID or unable to interpret data in the CVSE).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-sessclosed	INT32	Incremental	active	The total number of registration requests that were denied using an error code 0x8E for absent RP sessions. Refer to the session-already-closed keyword for the registration-deny command in the PDSN Configuration Mode chapter of the Command Line Interface Reference for additional information.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-bsninfo	INT32	Incremental	active	The total number of registration requests that were denied because BSN information was unavailable.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-noresource-nosessmgr	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, no session manager reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-noresource-nomem	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, no memory reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-noresource-sessmgrretried	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, session managers retried reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-noresource-inputq	INT32	Incremental	active	The total number of RRQ denied due to Insufficient resource, input queue exceeded reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-badrequest-alrdorm	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, session already dormant reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-badrequest-alractive	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, already active reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-badrequest-other	INT32	Incremental	active	The total number of RRQ denied due to poorly formed request, other reason reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-cong-drop	INT32	Incremental	active	The total number of denied registration replies discarded due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-cong-adminprohib	INT32	Incremental	active	The total number of denied registration replies that were sent with a reply code of 81H (Registration Denied - administratively prohibited) due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	deny-cong-unknownbsn	INT32	Incremental	active	This proprietary counter indicates the total number of A11-BC service requests denied due to congestion. Refer to the Configuring Congestion Control chapter of this guide for additional information.	#NAME?	Per PDSN, per PF, per session	Standard
bcmcs	upd-total	INT32	Incremental	active	The total number of registration updates that were transmitted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-accept	INT32	Incremental	active	The total number of registration updates that were accepted by the PCF.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-denied	INT32	Incremental	active	The total number of registration updates that were denied.	Not Defined	Per PDSN, per PF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	upd-unack	INT32	Incremental	active	The total number of registration updates that were not acknowledged.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-trans	INT32	Incremental	active	The total number of initial registration updates that were transmitted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-ttlnoretrans	INT32	Incremental	active	The total number of registration updates that were not re-transmitted due to TTL expiration.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-retrans	INT32	Incremental	active	The total number of registration updates that were re-transmitted.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-received	INT32	Incremental	active	The total number of registration acknowledgements that were received.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-ack-received	INT32	Incremental	active	The total number of registration acknowledgements that were received.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-discard	INT32	Incremental	active	The total number of registration acknowledgements that were discarded.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-senderror	INT32	Incremental	active	The total number of registration updates for which errors were experienced during transmission.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-lifetime	INT32	Incremental	active	The total number of registration updates that the send reason was Lifetime Expiry reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-uplyrinit	INT32	Incremental	active	The total number of registration updates that were initiated by upper processing layers. This statistic is obsolete.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-other	INT32	Incremental	active	The total number of registration updates that were sent due to reasons other than those listed here.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upd-smgrexit	INT32	Incremental	active	The total number of registration updates that the send reason was that the session manager exited reported per service.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upddeny-unspec	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 80H (Registration Denied - reason unspecified).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upddeny-adminprohib	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 81H (Registration Denied - administratively prohibited).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upddeny-auth	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 83H (Registration Denied - mobile node failed authentication).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upddeny-idmismatch	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 85H (Registration Denied - identification mismatch).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	upddeny-badrequest	INT32	Incremental	active	The total number of denied registration updates that were sent with a reply code of 86H (Registration Denied - poorly formed request).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-violations	INT32	Incremental	active	The total number of security violations that occurred.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-badauth	INT32	Incremental	active	The total number of security violations that occurred due to a mis-computed authentication field.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-badid	INT32	Incremental	active	The total number of security violations that occurred due to the receipt of a Security Parameter Index (SPI) that is not configured on the PDSN.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-badspi	INT32	Incremental	active	The total number of security violations that occurred due to the receipt of a Security Parameter Index (SPI) that was in the reserved range (0 through 255).	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-mnhaauth	INT32	Incremental	active	The total number of security violations that occurred due to missing mobile node-home agent authentication extensions.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	sec-regupdate	INT32	Incremental	active	The total number of security violations that occurred due to missing registration update authentication extensions	Not Defined	Per PDSN, per PF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
bcmcs	disc-absent	INT32	Incremental	active	This statistic has been renamed to upd-discard-absent. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-nomem	INT32	Incremental	active	This statistic has been renamed to upd-discard-nomem. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-malform	INT32	Incremental	active	This statistic has been renamed to upd-discard-malform. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-authfail	INT32	Incremental	active	This statistic has been renamed to upd-discard-authfail. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-bounce	INT32	Incremental	active	This statistic has been renamed to upd-discard-bounce. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-inputq	INT32	Incremental	active	This statistic has been renamed to upd-discard-inputq. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-mismatchid	INT32	Incremental	active	This statistic has been renamed to upd-discard-mismatchid. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-invpktlen	INT32	Incremental	active	This statistic has been renamed to upd-discard-invpktlen. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
bcmcs	disc-misc	INT32	Incremental	active	This statistic has been renamed to upd-discard-misc. However, this statistic name is still provided for compatibility only.	Not Defined	Per PDSN, per PF, per session	Standard
context	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
context	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the Context service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
context	sfw-total-rxpackets	INT64	Incremental	active	Total number of packets received by the Stateful Firewall in-line service.	Increments when a packet is received by the Stateful Firewall in-line service.	Per DNS Client	Standard
context	sfw-total-rxbytes	INT64	Incremental	active	Total number of bytes received by the Stateful Firewall in-line service.	Increments when a packet having layload is received by the Stateful Firewall in-line service.	Per DNS Client	Standard
context	sfw-total-txpackets	INT64	Incremental	active	Total number of packets transmitted by the Stateful Firewall in-line service.	Increments when a packet is sent by the Stateful Firewall in-line service.	Per DNS Client	Standard
context	sfw-total-txbytes	INT64	Incremental	active	Total number of bytes transmitted by the Stateful Firewall in-line service.	Increments when a packet having layload is forwarded by the Stateful Firewall in-line service.	Per DNS Client	Standard
context	sfw-total-injectedpkts	INT64	Incremental	active	Total number of packets injected by the Stateful Firewall in-line service.	Increments when a Firewall module creates and sends packets like RST.	Per DNS Client	Standard
context	sfw-total-injectedbytes	INT64	Incremental	active	Total number of bytes injected by the Stateful Firewall in-line service.	Increments when a Firewall module creates and sends packets like RST with data.	Per DNS Client	Standard
context	sfw-dnlnk-droppkts	INT64	Incremental	active	Total number of packets dropped by the Stateful Firewall in-line service in downlink direction.	Increments when Firewall drops a downlink packet due to any reason.	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	sfw-dnlnk-dropbytes	INT64	Incremental	active	Total number of bytes dropped by the Stateful Firewall in-line service in downlink direction.	Increments when Firewall drops a downlink packet with data due to any reason.	Per DNS Client	Standard
context	sfw-uplnk-droppkts	INT64	Incremental	active	Total number of packets dropped by the Stateful Firewall in-line service in uplink direction.	Increments when Firewall drops an uplink packet due to any reason.	Per DNS Client	Standard
context	sfw-uplnk-dropbytes	INT64	Incremental	active	Total number of bytes dropped by the Stateful Firewall in-line service in uplink direction.	Increments when Firewall drops an uplink packet with data due to any reason.	Per DNS Client	Standard
context	sfw-total-malpackets	INT64	Incremental	active	Total number of invalid packets received by the Stateful Firewall in-line service.	Increments when any packet is malformed and dropped by Firewall.	Per DNS Client	Standard
context	sfw-ip-discardpackets	INT64	Incremental	active	Total number of IP packets discarded by the Stateful Firewall in-line service.	Increments when any IP packet is discarded.	Per DNS Client	Standard
context	sfw-ip-malpackets	INT64	Incremental	active	Total number of invalid IP packets received by the Stateful Firewall in-line service.	Increments when any IP packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-icmp-discardpackets	INT64	Incremental	active	Total number of invalid ICMP packets discarded by the Stateful Firewall in-line service.	Increments when any ICMP packet is discarded.	Per DNS Client	Standard
context	sfw-icmp-malpackets	INT64	Incremental	active	Total number of invalid ICMP packets received by the Stateful Firewall in-line service.	Increments when any ICMP packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-tcp-discardpackets	INT64	Incremental	active	Total number of invalid TCP packets discarded by the Stateful Firewall in-line service.	Increments when any TCP packet is discarded.	Per DNS Client	Standard
context	sfw-tcp-malpackets	INT64	Incremental	active	Total number of invalid TCP packets received by the Stateful Firewall in-line service.	Increments when any TCP packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-udp-discardpackets	INT64	Incremental	active	Total number of invalid UDP packets discarded by the Stateful Firewall in-line service.	Increments when any UDP packet is discarded.	Per DNS Client	Standard
context	sfw-udp-malpackets	INT64	Incremental	active	Total number of invalid UDP packets received by the Stateful Firewall in-line service.	Increments when any UDP packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-ipv6-discardpackets	INT64	Incremental	active	Total number of IPv6 packets discarded by the Stateful Firewall in-line service.	Increments when any IPv6 packet is discarded.	Per DNS Client	Standard
context	sfw-ipv6-malpackets	INT64	Incremental	active	Total number of malformed IPv6 packets identified by the Stateful Firewall in-line service.	Increments when any IPv6 packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-icmpv6-discardpackets	INT64	Incremental	active	Total number of ICMPv6 packets discarded by the Stateful Firewall in-line service.	Increments when any ICMPv6 packet is discarded.	Per DNS Client	Standard
context	sfw-icmpv6-malpackets	INT64	Incremental	active	Total number of malformed ICMPv6 packets identified by the Stateful Firewall in-line service.	Increments when any ICMPv6 packet is malformed and discarded.	Per DNS Client	Standard
context	sfw-total-dosattacks	INT64	Incremental	active	Total number of DoS attacks detected by the Stateful Firewall in-line service.	Increments when a DOS attack is detected.	Per DNS Client	Standard
context	sfw-total-flows	INT32	Incremental	active	Total number of flows processed by the Stateful Firewall in-line service.	Increments when a new Firewall flow is processed by Firewall.	Per DNS Client	Standard
context	nat-total-flows	INT64	Incremental	active	Total number of NAT flows processed by the Stateful Firewall in-line service.	Increments when a new NAT flow is processed by Firewall.	Per DNS Client	Standard
context	nat44-total-flows	INT64	Incremental	active	Total number of NAT44 flows processed by the Stateful Firewall in-line service.	Increments when a new NAT44 flow is processed by Firewall.	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	nat64-total-flows	INT64	Incremental	active	Total number of NAT64 flows processed by the Stateful Firewall in-line service.	Increments when a new NAT64 flow is processed by Firewall.	Per DNS Client	Standard
context	bypass-nat-total-flows	INT64	Incremental	active	Total number of Bypass-NAT flows processed by the Stateful Firewall in-line service.	Increments when a new Bypass-NAT flow is processed by Firewall.	Per DNS Client	Standard
context	bypass-nat-ipv4-total-flows	INT64	Incremental	active	Total number of Bypass-NAT IPv4 flows processed by the Stateful Firewall in-line service.	Increments when a new Bypass-NAT IPv4 flow is processed by Firewall.	Per DNS Client	Standard
context	bypass-nat-ipv6-total-flows	INT64	Incremental	active	Total number of Bypass-NAT IPv6 flows processed by the Stateful Firewall in-line service.	Increments when a new Bypass-NAT IPv6 flow is processed by Firewall.	Per DNS Client	Standard
context	sfw-current-flows	INT32	Gauge	active	Current number of Firewall flows processed by the Stateful Firewall in-line service.	Increments when a new Firewall flow is processed by Firewall.	Per DNS Client	Standard
context	nat-current-flows	INT64	Gauge	active	Current number of NAT flows processed by the Stateful Firewall in-line service.	Increments when a new NAT flow is processed by Firewall.	Per DNS Client	Standard
context	nat44-current-flows	INT64	Gauge	active	Current number of NAT44 flows processed by the Stateful Firewall in-line service.	Increments when a new NAT44 flow is processed by Firewall.	Per DNS Client	Standard
context	nat64-current-flows	INT64	Gauge	active	Current number of NAT64 flows processed by the Stateful Firewall in-line service.	Increments when a new NAT64 flow is processed by Firewall.	Per DNS Client	Standard
context	bypass-nat-current-flows	INT64	Gauge	active	Current number of IPv4 and IPv6 Bypass-NAT flows processed by Stateful Firewall.	Increments when a new Bypass-NAT flow is processed by Firewall.	Per Active Charging Service	Standard
context	bypass-nat-ipv4-current-flows	INT64	Gauge	active	Current number of Bypass-NAT IPv4 flows processed by the Stateful Firewall in-line service.	Increments when a new Bypass-NAT IPv4 flow is processed by Firewall.	Per Active Charging Service	Standard
context	bypass-nat-ipv6-current-flows	INT64	Gauge	active	Current number of Bypass-NAT IPv4 flows processed by the Stateful Firewall in-line service.	Increments when a new Bypass-NAT IPv6 flow is processed by Firewall.	Per Active Charging Service	Standard
context	dns-local-unknown-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) Unknown query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-a-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) A (32-bit IPv4 address record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-ns-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) query attempts to Name Server.	Not Defined	Per DNS Client	Standard
context	dns-local-cname-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) CNAME (Canonical Name Record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-ptr-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) PTR (Pointer Record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-srv-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) SRV (Service Locator) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-aaaa-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) AAAA (128-bit IPv6 address record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-naptr-atmpts	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) NAPTR (Naming Authority Pointer) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-local-unknown-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) Unknown query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-a-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) A (32-bit IPv4 address record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-ns-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) query successes from Name Server.	Not Defined	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	dns-local-cname-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) CNAME (Canonical Name Record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-ptr-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) PTR (Pointer Record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-srv-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) SRV (Service Locator) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-aaaa-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) AAAA (128-bit IPv6 address record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-naptr-succs	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) NAPTR (Naming Authority Pointer) query successes.	Not Defined	Per DNS Client	Standard
context	dns-local-unknown-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) Unknown query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-a-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) A (32-bit IPv4 address record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-ns-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) query failures from Name Server.	Not Defined	Per DNS Client	Standard
context	dns-local-cname-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) CNAME (Canonical Name Record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-ptr-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) PTR (Pointer Record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-srv-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) SRV (Service Locator) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-aaaa-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) AAAA (128-bit IPv6 address record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-naptr-fails	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) NAPTR (Naming Authority Pointer) query failures.	Not Defined	Per DNS Client	Standard
context	dns-local-total-queries	INT32	Incremental	active	Total number of domain name lookups cached in local (resolved at system SESSMGR level) location.	Not Defined	Per DNS Client	Standard
context	dns-local-positive-cache-hits	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) hits with positive response.	Not Defined	Per DNS Client	Standard
context	dns-local-negative-cache-hits	INT32	Incremental	active	Total number of local (resolved at system SESSMGR level) hits with negative response.	Not Defined	Per DNS Client	Standard
context	dns-local-cache-hits-not-found	INT32	Incremental	active	Total number of hits which have no record in local (resolved at system SESSMGR level) cache memory.	Not Defined	Per DNS Client	Standard
context	dns-central-unknown-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) Unknown query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-a-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) A (32-bit IPv4 address record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-ns-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) query attempts to Name Server.	Not Defined	Per DNS Client	Standard
context	dns-central-cname-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) CNAME (Canonical Name Record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-ptr-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) PTR (Pointer Record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-srv-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) SRV (Service Locator) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-aaaa-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) AAAA (128-bit IPv6 address record) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-naptr-atmpts	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) NAPTR (Naming Authority Pointer) query attempts.	Not Defined	Per DNS Client	Standard
context	dns-central-unknown-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) Unknown query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-a-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) A (32-bit IPv4 address record) query successes.	Not Defined	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	dns-central-ns-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) query successes from Name Server.	Not Defined	Per DNS Client	Standard
context	dns-central-cname-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) CNAME (Canonical Name Record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-ptr-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) PTR (Pointer Record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-srv-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) SRV (Service Locator) query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-aaaa-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) AAAA (128-bit IPv6 address record) query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-naptr-succs	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) NAPTR (Naming Authority Pointer) query successes.	Not Defined	Per DNS Client	Standard
context	dns-central-unknown-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) Unknown query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-a-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) A (32-bit IPv4 address record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-ns-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) query failures from Name Server.	Not Defined	Per DNS Client	Standard
context	dns-central-cname-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) CNAME (Canonical Name Record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-ptr-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) PTR (Pointer Record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-srv-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) SRV (Service Locator) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-aaaa-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) AAAA (128-bit IPv6 address record) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-naptr-fails	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) NAPTR (Naming Authority Pointer) query failures.	Not Defined	Per DNS Client	Standard
context	dns-central-total-queries	INT32	Incremental	active	Total number of domain name lookups cached in central (resolved at system VPNMGR level) location.	Not Defined	Per DNS Client	Standard
context	dns-central-positive-cache-hits	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) hits with positive response.	Not Defined	Per DNS Client	Standard
context	dns-central-negative-cache-hits	INT32	Incremental	active	Total number of central (resolved at system VPNMGR level) hits with negative response.	Not Defined	Per DNS Client	Standard
context	dns-central-cache-hits-not-found	INT32	Incremental	active	Total number of hits which have no record in central (resolved at system VPNMGR level) cache memory.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-unknown-atmpts	INT32	Incremental	active	Total number of Unknown query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-a-atmpts	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ns-atmpts	INT32	Incremental	active	Total number of Name Server query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-cname-atmpts	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ptr-atmpts	INT32	Incremental	active	Total number of PTR (Pointer Record) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-srv-atmpts	INT32	Incremental	active	Total number of SRV (Service Locator) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-aaaa-atmpts	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-naptr-atmpts	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query attempts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-unknown-succs	INT32	Incremental	active	Total number of Unknown query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	dns-primary-ns-a-succs	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ns-succs	INT32	Incremental	active	Total number of Name Server query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-cname-succs	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ptr-succs	INT32	Incremental	active	Total number of PTR (Pointer Record) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-srv-succs	INT32	Incremental	active	Total number of SRV (Service Locator) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-aaaa-succs	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-naptr-succs	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query successes resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-unknown-fails	INT32	Incremental	active	Total number of Unknown query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-a-fails	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ns-fails	INT32	Incremental	active	Total number of Name Server query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-cname-fails	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-ptr-fails	INT32	Incremental	active	Total number of PTR (Pointer Record) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-srv-fails	INT32	Incremental	active	Total number of SRV (Service Locator) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-aaaa-fails	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-naptr-fails	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query failures resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-rsp-rejected	INT32	Incremental	active	Total number of queries for a domain for which connection refused resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-query-timeouts	INT32	Incremental	active	Total number of query timeouts resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-primary-ns-domain-not-found	INT32	Incremental	active	Total number of queries where domain name not found resolved at external Primary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-unknown-atmpts	INT32	Incremental	active	Total number of Unknown query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-a-atmpts	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-ns-atmpts	INT32	Incremental	active	Total number of Name Server query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-cname-atmpts	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-ptr-atmpts	INT32	Incremental	active	Total number of PTR (Pointer Record) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-srv-atmpts	INT32	Incremental	active	Total number of SRV (Service Locator) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-aaaa-atmpts	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-naptr-atmpts	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query attempts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-unknown-succs	INT32	Incremental	active	Total number of Unknown query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
context	dns-secondary-ns-a-succs	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-ns-succs	INT32	Incremental	active	Total number of Name Server query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-cname-succs	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-ptr-succs	INT32	Incremental	active	Total number of PTR (Pointer Record) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-srv-succs	INT32	Incremental	active	Total number of SRV (Service Locator) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-aaaa-succs	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-naptr-succs	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query successes resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-unknown-fails	INT32	Incremental	active	Total number of Unknown query failures resolved at external Secondary Name Server.	Not Defined	Day 1	Standard
context	dns-secondary-ns-a-fails	INT32	Incremental	active	Total number of A (32-bit IPv4 address record) query failures resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-ns-fails	INT32	Incremental	active	Total number of Name Server query failures resolved at external Secondary Name Server.	Not Defined	Day 1	Standard
context	dns-secondary-ns-cname-fails	INT32	Incremental	active	Total number of CNAME (Canonical Name Record) query failures resolved at external Secondary Name Server.	Not Defined	Day 1	Standard
context	dns-secondary-ns-ptr-fails	INT32	Incremental	active	Total number of PTR (Pointer Record) query failures resolved at external Secondary Name Server.	Not Defined	Day 1	Standard
context	dns-secondary-ns-srv-fails	INT32	Incremental	active	Total number of SRV (Service Locator) query failures resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-aaaa-fails	INT32	Incremental	active	Total number of AAAA (128-bit IPv6 address record) query failures resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-naptr-fails	INT32	Incremental	active	Total number of NAPTR (Naming Authority Pointer) query failures resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-rsp-rejected	INT32	Incremental	active	Total number of queries for a domain for which connection refused resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-query-timeouts	INT32	Incremental	active	Total number of query timeouts resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	dns-secondary-ns-domain-not-found	INT32	Incremental	active	Total number of queries where domain name not found resolved at external Secondary Name Server.	Not Defined	Per DNS Client	Standard
context	bgp-maxroute	INT32	Incremental	active	Maximum number of BGP routes. It is the sum of all the VRFs in a context.	Not Defined	Per DNS Client	Standard
context	bgp-totroute	INT32	Incremental	active	Total number of BGP routes. It is the sum of all the VRFs in a context.	Not Defined	Per DNS Client	Standard
vrf	context	STRING	Primary-key	active	Nothing	Not Defined	Not Defined	Standard
vrf	vrf	STRING	Primary-key	active	Nothing	Not Defined	Not Defined	Standard
vrf	framed-routes	INT32	Gauge	active	Nothing	Not Defined	Not Defined	Standard
vrf	total-routes	INT32	Gauge	active	Nothing	Not Defined	Not Defined	Standard
mon-di-net	src-card	INT32	Primary-key	active	Source Card	Not Defined	Not Defined	Standard
mon-di-net	dest-card	INT32	Primary-key	active	Destination Card	Not Defined	Not Defined	Standard
mon-di-net	total-pkts-5mins	INT32	Incremental	active	Total number of packets sent in last 5 mins	Not Defined	Not Defined	Standard
mon-di-net	total-drops-5mins	INT32	Incremental	active	Total number of packets dropped in last 5 mins	Not Defined	Not Defined	Standard
mon-di-net	total-pkts-60mins	INT32	Incremental	active	Total number of packets sent inlast 60 mins	Not Defined	Not Defined	Standard
mon-di-net	total-drops-60mins	INT32	Incremental	active	Total number of packets dropped in last 60 mins	Not Defined	Not Defined	Standard
mon-di-net	total-pkts	INT32	Incremental	active	Total number of packets sent	Not Defined	Not Defined	Standard
mon-di-net	total-pkts-jumbo	INT32	Incremental	active	Total number of jumbo packets sent	Not Defined	Not Defined	Standard
mon-di-net	total-drops	INT32	Incremental	active	Total number of packets dropped	Not Defined	Not Defined	Standard
mon-di-net	total-drops-jumbo	INT32	Incremental	active	Total number of jumbo packets dropped	Not Defined	Not Defined	Standard
mon-di-net	latency-warnings	INT32	Gauge	active	Nothing	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mon-di-net	long-rtt	INT32	Gauge	active	Longest RTT	Not Defined	Not Defined	Standard
mon-di-net	average-rtt	FLOAT	Gauge	active	Average RTT	Not Defined	Not Defined	Standard
mon-di-net	cp-loss-5minave	FLOAT	Gauge	active	Average control plane loss in prior 5 minutes	Not Defined	Not Defined	Standard
mon-di-net	cp-loss-60minave	FLOAT	Gauge	active	Average control plane loss in prior 60 minutes	Not Defined	Not Defined	Standard
mon-di-net	dp-loss-5minave	FLOAT	Gauge	active	Average data plane loss in prior 5 minutes	Not Defined	Not Defined	Standard
mon-di-net	dp-loss-60minave	FLOAT	Gauge	active	Average data plane loss in prior 60 minutes	Not Defined	Not Defined	Standard
smart-license	product_type	STRING	Primary-key	active	Smart Licensing Product Type	Not Defined	Not Defined	Standard
smart-license	current_sl_state	STRING	Primary-key	active	Current Smart Licensing State	Not Defined	Not Defined	Standard
smart-license	current_sl_mode	STRING	Primary-key	active	Current Smart Licensing Mode Eval or Register	Not Defined	Not Defined	Standard
smart-license	current_en_state	STRING	Primary-key	active	Current Smart Licensing Enforcement State	Not Defined	Not Defined	Standard
smart-license	total_sl_enabled	INT32	Incremental	active	Total number of times Smart Licensing Enabled	Not Defined	Not Defined	Standard
smart-license	total_sl_disabled	INT32	Incremental	active	Total number of times Smart Licensing Disabled	Not Defined	Not Defined	Standard
smart-license	mode	STRING	Primary-key	active	Smart Licensing Mode Eval or Register	Not Defined	Not Defined	Standard
smart-license	tagid	INT32	Incremental	active	Smart Licensing Tag or Service Id	Not Defined	Not Defined	Standard
smart-license	tag_name	STRING	Primary-key	active	Smart Licensing Tag or Service Name	Not Defined	Not Defined	Standard
smart-license	cur_call_policy	STRING	Primary-key	active	Current Call Policy Allow or Block for Mode and Service	Not Defined	Not Defined	Standard
smart-license	cur_call_count	INT32	Incremental	active	Current Call Count for Mode and Service	Not Defined	Not Defined	Standard
smart-license	max_call_count	INT32	Incremental	active	Maximum Call Count for Mode and Service	Not Defined	Not Defined	Standard
smart-license	last_lic_count	INT32	Incremental	active	Last License Count Reported for Mode and Service	Not Defined	Not Defined	Standard
smart-license	max_lic_count	INT32	Incremental	active	Maximum License Count for Mode and Service	Not Defined	Not Defined	Standard
smart-license	policy_change_block_calls	INT32	Incremental	active	Number of times Policy Block for Mode and Service	Not Defined	Not Defined	Standard
ipsg	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
ipsg	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the IPSG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
ipsg	servname	STRING	Primary-key	active	The name of the IPSG service for which these statistics are being displayed.	Configuration	Per IPSG Service	Standard
ipsg	servid	INT32	Primary-key	active	The identification number of the LCS service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per IPSG Service	Standard
ipsg	total-start-req-rcv	INT32	Incremental	active	The total number of accounting start requests received by the IPSG service.	Increments when an accounting start message is sent from RADIUS client to IPSG.	Not Defined	Standard
ipsg	total-start-req-retrans-rcv	INT32	Incremental	active	The total number of accounting start request retransmissions received by the IPSG service.	Increments when a retransmitted Accounting-Start message is received. If Accounting-Start message comes again matching an established session with same IP address, Username+MSISDN, APN, NAS-IP-Address, Accounting-Session-ID, and Source-IP address of the IP packet, it is treated as retransmission.	Not Defined	Standard
ipsg	total-start-rsp-sent	INT32	Incremental	active	The total number of start responses sent by the IPSG service.	Increments when an accounting response is sent for Accounting-Start received by IPSG.	Not Defined	Standard
ipsg	total-interim-update-req-rcv	INT32	Incremental	active	The total number of interim update requests received by the IPSG service.	Increments when an interim message is received after call is up.	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ipsg	total-stop-req-rcv	INT32	Incremental	active	The total number of stop requests received by the IPSG service.	Increments when an Accounting-Stop request is received.	Per IPSG Service	Standard
ipsg	total-unknown-req-rcv	INT32	Incremental	active	The total number of unknown requests received by the IPSG service.	Increments when an accounting message has unknown request. Valid RADIUS requests are Accounting-Start, Accounting-Interim, Accounting-Stop, Accounting-On, Accounting-Off, Access Request. For all other RADIUS messages unknown req will be updated. For eWAG, everything that is not expected to be processed is considered as unknown request. For example, disconnect, status, coa, any other accounting status type, accounting response.	Per IPSG Service	Standard
ipsg	total-rsp-sent	INT32	Incremental	active	The total number of responses sent by the IPSG service.	Increments with every response sent (auth response + accounting response + other messages).	Per IPSG Service	Standard
ipsg	total-discard-msgs-unknown-clnt	INT32	Incremental	active	The total number of messages discarded by IPSG since they were received from an unknown client.	Increments if in accounting messages the IP address does not match the current RADIUS client subscriber. RADIUS client subscribers are configured in IPSG service.	Per IPSG Service	Standard
ipsg	total-discard-msgs-ignore-interim	INT32	Incremental	active	The total number of RADIUS Accounting-Interim messages ignored by IPSG since they were received for non-existing sessions.	Increments on receiving RADIUS Accounting-Interim messages for non-existing session. If session creation based on Accounting-Interim is supported then this counter will never increment.	Per IPSG Service	Standard
ipsg	total-discard-msgs-partial-match-interim	INT32	Incremental	active	Total number of discarded packets with partial match of interim packet. This occurs when session creation with interim is enabled.	Triggers any time an interim packet is discarded due to a partial match.	Per IPSG Service	Standard
ipsg	total-discard-msgs-ignore-stop	INT32	Incremental	active	The total number of RADIUS Accounting-Stop messages ignored by IPSG since they were received for non-existing sessions.	Increments on receiving RADIUS Accounting-Stop messages for non-existing session.	Per IPSG Service	Standard
ipsg	total-discard-msgs-incorrect-secret	INT32	Incremental	active	The total number of messages discarded by IPSG due to an incorrect secret.	Increments on mismatch of shared secrets between RADIUS client/IPSG and IPSG/RADIUS server.	Per IPSG Service	Standard
ipsg	total-discard-msgs-attr-missing	INT32	Incremental	active	The total number of messages discarded by IPSG due to a missing attribute.	Increments if a RADIUS packet does not have the needed attributes.	Per IPSG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ipsg	rad-servaddr	STRING	Primary-key	active	IP address of the RADIUS server supporting the service.	Is updated when a RADIUS server is configured.	Not Defined	Standard
ipsg	rad-servport	INT32	Primary-key	active	Port number of the RADIUS server supporting the service.	Is updated when a RADIUS server is configured.	Per IPSG Service	Standard
ipsg	total_sessions_attempt	INT32	Incremental	active	The number of IPSG calls attempted on IPSG service.	Increments when an IPSG call arrives.	Per IPSG Service	Standard
ipsg	total_current_sessions	INT32	Gauge	active	The total number of IPSG calls currently active on IPSG service.	Increments when an IPSG call comes up. Decrements when an IPSG call ends.	Per IPSG Service	Standard
ipsg	total_sessions_setup	INT32	Incremental	active	The total number of calls setup on IPSG service.	Increments when an IPSG call is connected.	Per IPSG Service	Standard
ipsg	total_sessions_replaced	INT32	Incremental	active	The total number of calls replaced by IPSG service.	Increments when an IPSG call is replaced.	Per IPSG Service	Standard
ipsg	total_sessions_released	INT32	Incremental	active	The total number of IPSG calls released by IPSG service.	Increments when an IPSG call is released.	Per IPSG Service	Standard
ipsg	total_interim_update_rsp_sent	INT32	Incremental	active	The total number of interim update response sent by the IPSG service.	Increments when an accounting response is sent for interim request received.	Per IPSG Service	Standard
ipsg	total_stop_rsp_sent	INT32	Incremental	active	The total number of stop response sent by the IPSG service.	Increments when an Accounting-Response is sent for Accounting-Stop received.	Per IPSG Service	Standard
ipsg	total_stop_non-existing_rsp_sent	INT32	Incremental	active	The total number of stop response sent for non-existing sessions sent by the IPSG service.	Increments when an Accounting-Response for non-existing session is sent for Accounting-Stop received.	Per IPSG Service	Standard
ipsg	total_access_req_rcv	INT32	Incremental	active	The total number of Access-Requests received by the IPSG service. For eWAG service this will always be 0. If Access-Request is received it is discarded as service not supported.	Increments on receiving an Access-Request.	Per IPSG Service	Standard
ipsg	total_access_req_retrans_rcv	INT32	Incremental	active	The total number of Access-Request retransmissions received by the IPSG service. In case of EAP-AKA, EAP-SIM authentication multiple Access-Req are received from radius client. After the first Access-req , all next access requests are treated as retransmitted. For eWAG this will always be 0.	Increments when a retransmitted Access-Request message is received.	Per IPSG Service	Standard
ipsg	total_access_challenge_sent	INT32	Incremental	active	Total number of Access-Challenges sent by the IPSG service.	Increments when an Access-Challenge is sent.	Per IPSG Service	Standard
ipsg	total_access_accept_sent	INT32	Incremental	active	The total number of Access-Accept sent by the IPSG service. For eWAG this will always be 0.	Increments when an Access-Accept is sent.	Per IPSG Service	Standard
ipsg	total_access_reject_sent	INT32	Incremental	active	The total number of access reject sent by the IPSG service. For eWAG this will always be 0.	Increments when an Access-Reject is sent.	Per IPSG Service	Standard
ipsg	total_disconnect_msg_sent	INT32	Incremental	active	The total number of disconnect message sent by IPSG service.	Increments when a disconnect message is sent.	Per IPSG Service	Standard
ipsg	total_discarded	INT32	Incremental	active	The total number of IPSG calls rejected by IPSG service. It is the sum of all IPSG RADIUS message disconnect reasons.	Increments when an IPSG call is rejected.	Per IPSG Service	Standard
ipsg	total_discard_msgs_no_resource	INT32	Incremental	active	The total number of messages discarded by IPSG service due to no resource.	Increments when RADIUS message is discarded due to reasons including no resource, CPC failure, and invalid NAT scenarios.	Per IPSG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ipsg	total_discard_msgs_ignore_start	INT32	Incremental	active	The total number of RADIUS-Accounting-start messages ignored by IPSG since they were received for non-existing sessions. Applicable in IPSG RADIUS Proxy Mode where Access-Request will trigger session creation and then Accounting-Start is expected. Not applicable to eWAG service. For eWAG, it will always be 0.	Increments on receiving RADIUS Accounting-Start messages for non-existing session.	Per IPSG Service	Standard
ipsg	total_discard_msgs_partial_match_start	INT32	Incremental	active	The total number of discarded packets with partial match of start packet.	Increments any time a start packet is discarded due to a partial match.	Per IPSG Service	Standard
ipsg	total_acct_on_req_rcv	INT32	Incremental	active	The total number of accounting on messages received.	Increments when an Accounting on message is received.	Per IPSG Service	Standard
ipsg	total_acct_on_req_retrans_rcv	INT32	Incremental	active	The total number of accounting on RADIUS messages that are retransmitted.	Increments when a RADIUS message is retransmitted.	Per IPSG Service	Standard
ipsg	total_acct_on_rsp_sent	INT32	Incremental	active	The total number of Accounting on RADIUS response sent.	Increments when an Accounting on RADIUS response is sent.	Per IPSG Service	Standard
ipsg	total_acct_off_req_rcv	INT32	Incremental	active	The total number of Accounting off RADIUS messages received.	Increments when an Accounting off RADIUS message is received.	Per IPSG Service	Standard
ipsg	total_acct_off_req_retrans_rcv	INT32	Incremental	active	The total number of RADIUS Accounting off retransmitted messages received.	Increments when a RADIUS Accounting off retransmitted message is received.	Per IPSG Service	Standard
ipsg	total_acct_off_rsp_sent	INT32	Incremental	active	The total number of RADIUS accounting off responses sent.	Increments when a RADIUS accounting off response is sent.	Per IPSG Service	Standard
ipsg	total_discard_msgs_stale_packets	INT32	Incremental	active	The total number of messages discarded by IPSG as they are stale.	Increments when a stale packet is received (event timestamp mismatch).	Per IPSG Service	Standard
ipsg	total_discard_msgs_svc_not_supported	INT32	Incremental	active	The total number of messages discarded by IPSG if service is not supported.	Increments when Access-Request is received for non RADIUS Proxy Mode. For example, if Access-Request is received eWAG mode will increment svc-not-supported.	Per IPSG Service	Standard
ipsg	total_discard_msgs_internal_error	INT32	Incremental	active	The total number of messages discarded by IPSG due to internal errors. For example, when Demux fails to send notification to SessMgr. Unexpected internal scenarios.	Increments when RADIUS message is discarded due to an internal error.	Per IPSG Service	Standard
ipsg	total_discard_msgs_svc_limit_exceeded	INT32	Incremental	active	The total number of messages discarded by IPSG due to service limit for maximum sessions being exceeded.	Increments on receiving RADIUS message that triggers new session creation and service limit for maximum sessions is exceeded.	Per IPSG Service	Standard
ipsg	total_discard_msgs_license_limit_exceeded	INT32	Incremental	active	The total number of messages discarded by IPSG due to license limit being exceeded.	Increments on receiving RADIUS message that triggers new session creation and license limit is exceeded.	Per IPSG Service	Standard
ipsg	total_discard_msgs_congestion_policy_applied	INT32	Incremental	active	The total number of messages discarded by IPSG due to congestion policy.	Increments on receiving RADIUS message that triggers new session creation and congestion policy is applied.	Per IPSG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ipsg	total_dhcp_discard_msgs	INT32	Incremental	active	Total number of DHCP messages discarded by the IPSG service. It is the sum of all DHCP discard reasons. (It does not include parse error or format error as those stats are maintained by the DHCP module.)	Increments when DHCP message is discarded.	Per IPSG Service	Standard
ipsg	total_dhcp_discard_msgs_exceed_max_size	INT32	Incremental	active	Total number of DHCP messages discarded by the IPSG service due to maximum size exceeding. Maximum DHCP message size supported by IPSG service is (DHCP_MESSAGE_MAX_SIZE 1000 + UDP_HEADER_LEN 8 + IP_HEADER_LEN 20).	Increments when DHCP message is discarded due to maximum size exceeding.	Per IPSG Service	Standard
ipsg	total_dhcp_discard_msgs_non_existing_session	INT32	Incremental	active	Total number of DHCP messages ignored by IPSG since they were received for non-existing sessions.	Increments on receiving DHCP messages for non-existing session.	Per IPSG Service	Standard
ipsg	total_dhcp_discard_msgs_giaddr_mismatch	INT32	Incremental	active	Total number of DHCP messages discarded by IPSG due to GiAddr field (Relay agent addr) not matching IP in DHCP message.	Increments on receiving RADIUS massage that triggers new session creation, and congestion policy is applied.	Per IPSG Service	Standard
ipsg	total_dhcp_discard_msgs_hw_type_len_unsupported	INT32	Incremental	active	Total number of messages discarded by IPSG due to congestion policy.	Increments on receiving RADIUS message that triggers new session creation, and congestion policy is applied.	Per IPSG Service	Standard
dcca-group	acs-service	STRING	Primary-key	active	Name of the active charging service	Not Applicable	Not Defined	Standard
dcca-group	cc-group	STRING	Primary-key	active	Name of the credit control group.	Not Applicable	Not Defined	Standard
dcca-group	cc-cursess	INT64	Gauge	active	The total number of Credit Control Application (CCA) sessions currently active.	Increments when a Gy session is successfully created Decrements when the Gy session is terminated	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-ttlecsadd	INT64	Incremental	active	The total number of ECS sessions added to CCA.	Increments when a new CC session is being created by ECS.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-ttlstart	INT64	Incremental	active	The total number of CCA sessions started. The CCR-I/CCA-I message exchange occurs when a new session is established.	Increments when CCR-I is successfully sent.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-ttlsessupd	INT64	Incremental	active	The total number of CCA sessions updated.	Increments when a CC session update is sent by ECS to DCCA module.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-ttlterm	INT64	Incremental	active	The total number of CCA sessions terminated.	Increments when a CC session terminate is sent by ECS to DCCA module.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-sessfailover	INT64	Incremental	active	The total number of CCA sessions failed.	Increments when a CC session message is retried on a secondary server due to session failover.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-recv	INT64	Incremental	active	The total number of CCA messages received.	Increments when a CCA message is successfully received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-sent	INT64	Incremental	active	The total number of CCA messages sent.	Increments when a CCA message is successfully sent to the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-request	INT64	Incremental	active	The total number of CCR messages that are sent out from the system to the Diameter Server. The CCR can be Initial/Update or Terminate.	Increments when CCR message is sent out from system to the Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-answer	INT64	Incremental	active	The total number of CCA messages that are received by the system from the Diameter Server.	Increments when CCA message is received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccrinit	INT64	Incremental	active	The total number of CCR-Initial messages that are sent out from the system to the Diameter Server. The Credit-Control-Request/Answer-Initial (CCR-I/CCA-I) message exchange occurs when a new session is established.	Increments when CCR-I message is successfully sent	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-msg-ccainit	INT64	Incremental	active	The total number of CCA-Initial messages that are received by the system from the Diameter Server.	Increments when CCA-I message is successfully received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccainitaccept	INT64	Incremental	active	The total number of CCA-Initial messages that are sent from Diameter Server and accepted by the system	Increments when a CCA-Initial message from Diameter Server is accepted by the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccainitreject	INT64	Incremental	active	The total number of CCA-Initial messages that are sent from Diameter Server and rejected by the system. Receiving Error Result-Code in CCAI would be treated as rejection.	Increments when a CCA-Initial message from Diameter Server is rejected by system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccainittimeout	INT64	Incremental	active	The total number of CCA-Initial Timeout (CCR-I sent but did not receive CCA till the timer expired) messages that are sent to the system from Diameter Server.	Increments when CCR-I is sent but CCA-I is not received till Tx timer expiry.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccrupdate	INT64	Incremental	active	The total number of CCR-Update messages that are sent out from the system to the Diameter Server.	Increments whenever a CCR-Update request is successfully sent from the system.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccaupdate	INT64	Incremental	active	The total number of CCA-Update messages that are received by the system from the Diameter Server.	Increments whenever an update answer message is received from the server.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccaupdatetimeout	INT64	Incremental	active	This indicates the total number of CCR-Update Timeouts (CCR-U sent but did not receive CCA till the timer expired.	Increments when Tx timer expires for a CCR-U sent, without CCA-Update response.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-msg-ccrfinal	INT64	Incremental	active	The total number of CCR-Final messages that are sent out from the system to the Diameter Server. The CCR/CCA-Terminate message exchange occurs when stopping the Credit-Control-Session.	Increments whenever a CCR-Terminate request for a session is successfully sent from the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccafinal	INT64	Incremental	active	The total number of CCA-Final messages that are received by the system from Diameter Server.	Increments when the system receives answer message (CCA-T) for Terminate request that was sent	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-ccafinaltimeout	INT64	Incremental	active	The total number of CCA-Final Timeouts (CCR-T sent but did not receive CCA till the timer expired) happened.	Increments when Tx timer expires for a CCR-T sent, without CCA-T response.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-asr	INT64	Incremental	active	The total number of Abort Session Request (ASR) messages that are sent from the Diameter Server to the system. ASR message is used when the Server needs to trigger the graceful termination of the session.	Increments when the system receives an ASR message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-asa	INT64	Incremental	active	The total number of Abort Session Answer (ASA) messages sent from the system to the Diameter server. This message will be followed by a CCR-Terminate to terminate the session.	Increments when the system replies with an ASA message for the Abort Session Request (ASR) message received from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-rar	INT64	Incremental	active	The total number of Re-Authorization Request (RAR) messages that are received from the Diameter Server to the system. This RAR message is sent by the Server to the Client to request that the user be Re-Authorized or Re-Authenticated.	Increments when a RAR message is received from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msg-raa	INT64	Incremental	active	The total number of Re-Authorization Answer (RAA) messages sent from the system to the Diameter server. This message is followed by a CCR-Update to update the Diameter server about the session.	Increments when the system replies with a RAA message for the RAR received from Diameter Server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-msg-ccadropped	INT64	Incremental	active	The total number of CCA messages dropped by the system. This happens when a Credit-Control-Answer message is received but there is no matching Requests pending.	Increments when the system drops/ignores a CCA message received from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-proto	INT64	Incremental	active	The total message errors due to Diameter protocol.	Increments whenever a message with result-codes 3xxx- errors due to Diameter protocol is received from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-badanswer	INT64	Incremental	active	This indicates the total CCA messages received which the system couldn't process due to Parsing-Errors. Could be due to an Unknown mandatory AVP received in the response.	Increments when the system receives an undefined mandatory AVP from the server	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-unknownsess	INT64	Incremental	active	The total message errors due to invalid session requests. This can happen when RAR/ASR requests are sent by Server, for Session-IDs that are no longer present in the System.	Increments for every occurrence of invalid session request message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-unknowncomm	INT64	Incremental	active	The total message errors due to invalid/unknown command code (any commands other than CCA, ASR, RAR).	Increments whenever a response is received for a valid request with corrupted Command Code.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-reqtimeout	INT64	Incremental	active	This shows the total message errors due to request timeout.	Increments whenever a request message is timed-out	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-parse	INT64	Incremental	active	The total message errors due to parsing errors. When an unknown AVP with M flag set, is received it is considered as parse-error.	Increments whenever a message is received with parsing errors	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-msgerr-unkratinggrp	INT64	Incremental	active	The total message errors due to invalid/unknown Rating Groups. Rating group is used to identify a particular type of traffic.	Increments when Unknown Rating-Group is preemptively received from server or a preemptive MSCC is received after session abortion	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-unkrulebase	INT64	Incremental	active	The total message errors due to invalid/unknown Rulebase applied.	Increments when rulebase change is attempted and the system is not able to switch to this because the plan indicated might be unknown/invalid.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-unkfailure	INT64	Incremental	active	The total number of unknown server-provided session failover actions.	Increments when an unknown CCFH action is received from the server (terminate/continue/retry and terminate are considered to be valid CCFH values)	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-msgerr-transfailure	INT64	Incremental	active	The total number of errors resulting from requests that could not be satisfied at the time they were received. The requests may be satisfied in the future.	Increments when CCA messages have been received with a Diameter Result-Code=4XXX.	Per Credit Control Group	Standard
dcca-group	cc-msgerr-permfailure	INT64	Incremental	active	The total number of errors resulting from requests that can never be satisfied.	Increments when CCA messages have been received with a Diameter Result-Code=5XXX.	Per Credit Control Group	Standard
dcca-group	cc-upd-threshold	INT64	Incremental	active	For each Rating group, the Diameter server sends a threshold (this is also configurable in the system) after which an update needs to be sent. For example, a subscriber quota of 1000 bytes with 900 as a threshold is sent to CCA. When 900 bytes have been used by the system, an update message is sent for quota. This counter gives the number of updates sent because of the threshold.	Increments whenever threshold value for a quota-type is reached, for any rating-group and an update request is sent to the server to report the usage.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-qht	INT64	Incremental	active	The total number of updates sent due to expiry of Quota Hold Timer (QHT). Quota-Hold-Time indicates the duration for which the allocated Quota can be retained without traffic. Whenever a packet/traffic is received, Quota-Hold-Timer will be restarted.	Increments when updates are sent due to QHT expiry	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-final	INT64	Incremental	active	The total number of updates sent due to exhaustion/invalidation/service denial.	Increments when updates are sent due to quota exhaustion/invalidation/service denial.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-upd-quotaexhaust	INT64	Incremental	active	The total number of updates sent due to exhaustion of subscriber quota.	Increments when updates are sent because the quota for a particular rating-group is exhausted	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-validitytime	INT64	Incremental	active	The total number of updates sent due to expiry of the session validity time.	Increments when updates are sent due to validity time expiry for a rating-group	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-otherquota	INT64	Incremental	active	The total number of updates sent to report the usage of one quota type, while the other quota reached a trigger condition.	Increments when updates are sent to report the usage of one quota type, while the other quota reached a trigger condition	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-ratingchange	INT64	Incremental	active	The total number of updates sent due to changes in Radio Access Technology (RAT)/Quality of Service (QoS)/SGSN/CELLID/Location Area Code (LAC).	Increments when updates are sent due to changes in RAT/QoS/SGSN/CELLID/LAC	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-forcedreauth	INT64	Incremental	active	The total number of updates sent because of Re-Authorization-Request (RAR). When a RAR is received from Server, the Client is supposed to Re-Authorize the traffic-categories (MSCCs). And this Re-Authorization is done by sending CCR-Updates.	Increments when the server asks for forced-reauthorization of the subscriber and sends the update request	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-upd-titsutime	INT64	Incremental	active	The total number of updates sent due to time interval after tariff switch. This is specific to WiMAX prepaid customers.	Increments when updates are sent due to time interval after tariff switch	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-diamlogout	INT64	Incremental	active	The total number of CCA sessions terminated due to subscriber logout.	Increments when a subscriber initiates termination of a Diameter session	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-term-servnotprov	INT64	Incremental	active	The total number of CCA sessions terminated due to unavailability of service.	Increments when a session is terminated due to unavailability of Diameter service	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-badanswer	INT64	Incremental	active	The total number of CCA sessions terminated due to invalid/unknown response received. On receiving a diameter-message with unknown-application-code, this counter gets incremented.	Increments when a session is terminated due to invalid/unknown/unsuccessful response received	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-admin	INT64	Incremental	active	The total number of CCA sessions terminated by an administrative user.	Increments when a session termination is done by the system - administrative decision taken by our system in relevant scenarios	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-linkbroken	INT64	Incremental	active	The total number of CCA sessions terminated due to broken uplink/downlink (connection between peers).	Increments when a session is terminated because the connection between peers is lost - Diameter link is broken.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-authexpired	INT64	Incremental	active	The total number of CCA sessions terminated due to expiry of subscriber authorization.	Increments when an update is sent to check for the expiry of lifetime authorization of the subscriber and the session gets terminated if the server indicates expiry of authorization.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-usermoved	INT64	Incremental	active	The total number of CCA sessions terminated as subscriber moved out of the service area.	Increments when session termination occurs because the subscriber has moved out of the service area.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-term-sesstimeout	INT64	Incremental	active	The total number of CCA sessions terminated due to timeout.	Increments when a session terminates because the session manager has indicated a session-timeout.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-badans-auth-appid	INT64	Incremental	active	The absence or unexpected value in Auth-Application-Id AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Auth-Application-Id AVP.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-sessid	INT64	Incremental	active	The absence or unexpected value in Session-Id AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Session-id AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-cc-req-num	INT64	Incremental	active	The absence or unexpected value in CC-Request-Number AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of CC-Request-Number AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-cc-req-type	INT64	Incremental	active	The absence or unexpected value in CC-Request-Type AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of CC-Request-Type AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-origin-host	INT64	Incremental	active	The absence of Origin-Host AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Origin-Host AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-origin-realm	INT64	Incremental	active	The absence of Origin-Realm AVP.	Increments when a session is terminated because of Diameter bad answer due to absence or unexpected value of Origin-Realm AVP	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-parsemsg-err	INT64	Incremental	active	The number of parse-errors in the message.	Increments when a session is terminated because of Diameter bad answer due to parsing errors in the message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-badans-parsemscc-err	INT64	Incremental	active	The number of parse errors in MSCC AVP.	Increments when a session is terminated because of Diameter bad answer due to parsing errors detected while processing the Multiple-Services-Credit-Control (MSCC) AVP in the message	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-badans-misc-err	INT64	Incremental	active	The number of other miscellaneous errors.	Increments when a session is terminated because of Diameter bad answer due to miscellaneous reasons like failure installing the rulebase change/bandwidth/firewall policy, etc.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-catcreate	INT64	Incremental	active	The total traffic categories (MSCC) created.	Increments when a new MSCC is created.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-catdelete	INT64	Incremental	active	The total number of traffic categories (MSCC) deleted.	Increments whenever an MSCC is deleted in an ongoing session.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-catlookup	INT64	Incremental	active	The total number of traffic categories/MSCC lookups failed.	Increments when a lookup operation is performed in the list of MSCCs.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-hits	INT64	Incremental	active	The total number of traffic categories/MSCC lookups successful.	Increments when a lookup of MSCC is successful	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-misses	INT64	Incremental	active	The total number of traffic categories triggered/MSCC lookups failed.	Increments when a lookup operation for a particular MSCC fails.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-traf-triggerevent	INT64	Incremental	active	The total number of triggers for traffic categories/MSCCs.	Increments whenever there is a change in certain trigger parameters like RAT, SGSN-IP-ADDRESS, QOS, CELLID, etc.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-finalunit	INT64	Incremental	active	The total final-units-actions taken on MSCCs.	Increments whenever FUI action is imposed on a particular rating group.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-catsuccess	INT64	Incremental	active	The total number of successful allocation of credits for traffic category/MSCC (result-code 2001).	Increments when the server responds with result-code 2001 indicating successful allocation of credits for traffic category	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-ratingfail	INT64	Incremental	active	The total number of quota retries because of rating failure due to category not recognized (result-code 5031).	Increments when the server responds with result-code 5031 indicating rating failure due to category not recognized	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-servdenied	INT64	Incremental	active	The total number of quota retries due to denial of end user service (result-code 4010).	Increments when the server responds with result-code 4010 indicating end user service denial.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-limitreached	INT64	Incremental	active	The total number of retries due to credit limit reached (result-code 4012).	Increments when the server responds with result-code 4012 indicating that the credit limit has reached	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-traf-authreject	INT64	Incremental	active	The total number of retries due to authorization rejected (result-code 5003).	Increments when the server responds with result-code 5003 indicating authorization rejection.	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-traf-othererror	INT64	Incremental	active	The total number of miscellaneous/unknown errors not specified by the system (Diameter_unable_to_comply [result-code 5012]).	Increments when the server responds with result-code 5012 indicating miscellaneous/unknown errors not specified by the system	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-2001-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA-I is received with Result-Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-5003-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA-I is received with Result-Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-4010-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=4010 at command level.	Increments when a CCA-I is received with Result-Code=4010	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-4011-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA-I is received with Result-Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-4012-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA-I is received with Result-Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-5031-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=5031 at command level.	Increments when a CCA-I is received with Result-Code=5031	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-init-exp-5199-rc	INT64	Incremental	active	The total number of CCA-I messages received with a Diameter Result-Code=5199 (DIAMETER_NEWER_SESSION_DETECTED) at command level. This result code is introduced in Release 19 to maintain session uniqueness and avoid stale message processing.	Increments when a CCA-I is received with Result-Code=5199	Per Credit Control Group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cca-updt-2001-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA-U is received with Result-Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-updt-5003-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA-U is received with Result-Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-updt-4010-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=4010 at command level.	Increments when a CCA-U is received with Result-Code=4010	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-updt-4011-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA-U is received with Result-Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-updt-4012-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA-U is received with Result-Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-updt-5031-rc	INT64	Incremental	active	The total number of CCA-U messages received with a Diameter Result-Code=5031 at command level.	Increments when a CCA-U is received with Result-Code=5031	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	fail-action-term	INT64	Incremental	active	This variable indicates how many times the DCCA failure handling with action terminate has been invoked in each measurement interval.	Increments when a call is terminated as a result of failure handling actions	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	fail-action-contd	INT64	Incremental	active	This variable indicates how many times the DCCA failure handling with action continue has been invoked in each measurement interval.	Increments when a call is continued as a result of failure handling actions	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	mscc-gsu-null-grant	INT64	Incremental	active	This variable indicates the total number of GSUs with zero grant.	Increments when a zero grant is detected under GSU	Per Credit Control Group	Standard
dcca-group	mscc-fui-redirect	INT64	Incremental	active	This variable indicates the total number of redirections received from OCS.	Increments when a redirection is received from OCS server	Per Credit Control Group	Standard
dcca-group	offline-active-sess	INT64	Gauge	active	The current number of active data sessions that are converted from online to offline charging due to DCCA failure handling	Increments when a call is converted from online to offline Decrements when a offline call is cleared or terminated	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-2xxx-rc	INT64	Incremental	active	Total number of CCA Result-Codes that are received in range of 2000 and 2999 at command level.	Increments when a CCA Result-Code is received in range of 2000 and 2999	Per Credit Control Group	Standard
dcca-group	cca-2001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=2001 at command level.	Increments when a CCA is received with Result Code=2001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-2002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=2002 at command level.	Increments when a CCA is received with Result Code=2002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-4001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4001 at command level.	Increments when a CCA is received with Result Code=4001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-4002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4002 at command level.	Increments when a CCA is received with Result Code=4002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cca-4010-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4010 at command level.	Increments when a CCA is received with Result Code=4010	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-4011-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4011 at command level.	Increments when a CCA is received with Result Code=4011	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-4012-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=4012 at command level.	Increments when a CCA is received with Result Code=4012	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5001-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5001 at command level.	Increments when a CCA is received with Result Code=5001	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5002-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5002 at command level.	Increments when a CCA is received with Result Code=5002	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5003-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5003 at command level.	Increments when a CCA is received with Result Code=5003	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5004-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5004 at command level.	Increments when a CCA is received with Result Code=5004	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cca-5005-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5005 at command level.	Increments when a CCA is received with Result Code=5005	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5006-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5006 at command level.	Increments when a CCA is received with Result Code=5006	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-5031-rc	INT64	Incremental	active	Total number of CCA messages received with a Diameter Result-Code=5031 at command level.	Increments when a CCA is received with Result Code=5031	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cca-other-rc	INT64	Incremental	active	Total number of CCA messages received with all other Diameter Result-Codes.	Increments when a CCA is received with all other result codes	Per Credit Control Group NOTE: In StarOS 14.0 releases after August 2012, this variable has been moved to the DCCA-Group schema.	Standard
dcca-group	cc-ocs-unreachable-txexpiry	INT64	Incremental	active	Total number of tx-expiry happened in case of OCS unreachable. Assume-Positive feature is to specify what to do with the user-traffic when the Online-Charging-Server (OCS) becomes unreachable. Assume-Positive configuration allows to specify how much quota can be used while the service is unavailable, and how many retries should be done.	Increments when a Tx expiry occurs in the event of OCS being unreachable	Per Credit Control Group	Standard
dcca-group	cc-ocs-unreachable-rsp-timeout	INT64	Incremental	active	Total number of response-timeouts happened in case of OCS unreachable.	Increments when a response-timeout is received when the OCS is unreachable	Per Credit Control Group	Standard
dcca-group	cc-ocs-unreachable-conn-fail	INT64	Incremental	active	Total number of times the TCP connection is down when the OCS is unreachable.	Increments whenever the TCP connection is down when OCS is in unreachable state	Per Credit Control Group	Standard
dcca-group	cc-ocs-unreachable-server-retry	INT64	Incremental	active	Total number of times the Server-Retries are performed when OCS is unreachable.	Increments whenever a server-retry is performed when the OCS is unreachable	Per Credit Control Group	Standard
dcca-group	cc-ocs-unreachable-action-cont	INT64	Incremental	active	Total number of times the action continue was applied due to OCS unreachable.	Increments when the action continue is applied in OCS unreachable state	Per Credit Control Group	Standard
dcca-group	cc-ocs-unreachable-action-term	INT64	Incremental	active	Total number of times the action terminate was applied due to OCS unreachable.	Increments when the action terminate is applied in OCS unreachable state	Per Credit Control Group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca-group	cc-assume-pos-curr-sess	INT64	Gauge	active	The current number of sessions in Assume-Positive state.	Increments whenever a session goes in assume positive state, also decrements whenever a session comes out of Assume Positive state.	Per Credit Control Group	Standard
dcca-group	cc-assume-pos-cumlt-sess	INT64	Incremental	active	Cumulative number of sessions that went into Assume-Positive state.	Increments whenever the cumulative of current sessions is in Assume-Positive state	Per Credit Control Group	Standard
dcca-group	cc-ccr-event	INT64	Incremental	active	Cumulative number of CCR-Event messages that have been sent.	Increments when a CCR-Event message is sent	Per Credit Control Group	Standard
dcca-group	cc-cca-event	INT64	Incremental	active	Cumulative number of CCA-Event messages that have been received.	Increments when a CCA-Event message is received	Per Credit Control Group	Standard
dcca-group	cc-cca-event-timeout	INT64	Incremental	active	Cumulative number of CCA-Event messages that are timed out. Timeout happens when CCR-Event request is sent but there was no response (CCA-E) for this, and timer expired.	Increments when a CCA-Event message times out	Per Credit Control Group	Standard
dcca-group	cc-ccr-event-retry	INT64	Incremental	active	Cumulative number of CCR-Event messages retried. After the Response Timeout, if there are any other active peers available the message will be retried.	Increments when the CCR-Event message is retried	Not Defined	Standard
dcca-group	cca-event-2001-rc	INT64	Incremental	active	Cumulative number of CCA-Event messages that have been received with result code 2001.	Increments when a CCA-Event message with result code 2001 is received	Per Credit Control Group	Standard
dcca-group	cca-event-other-rc	INT64	Incremental	active	Cumulative number of CCA-Event messages that have been received with result code other than 2001.	Increments when a CCA-Event message with result code other than 2001 is received	Per Credit Control Group	Standard
dcca-group	ccrevent-backpressure	INT64	Incremental	active	This variable indicates the number of times backpressure got hit while creating a CCR Event message. Backpressure feature manages the outstanding requests for one peer, and this counter indicates how many times the sending of CCRE messages are affected by this Backpressure limit.	Increments when backpressure is hit while creating a CCR-E message	Per Credit Control Group	Standard
dcca-group	ccri-bp-stats	INT64	Incremental	active	This variable indicates the number of times backpressure got hit while creating a CCR-I message.	Increments when backpressure is hit while creating a CCR-I message	Per Credit Control Group	Standard
dcca-group	ccru-bp-stats	INT64	Incremental	active	This variable indicates the number of times backpressure got hit while creating a CCR-U message.	Increments when backpressure is hit while creating a CCR-U message	Per Credit Control Group	Standard
dcca-group	ccrt-bp-stats	INT64	Incremental	active	This variable indicates the number of times backpressure got hit while creating a CCR-T message.	Increments when backpressure is hit while creating a CCR-T message	Per Credit Control Group	Standard
dcca-group	cc-msg-ccrt-hdd	INT64	Incremental	active	This variable indicates the total count of CCR-T records that are stored in the Hard-Disk-Drive.	Increments when the session is terminated and the failed CCR-Ts are written in HDD.	Per Credit-COntrol-Group	Standard
rlf	rlf-ctx-name	STRING	Primary-key	active	Has the RLF context name	Triggered when a valid RLF template is configured and is bound to an open peer	Not Defined	Standard
rlf	rlf-template-name	STRING	Primary-key	active	Has the RLF template name	Triggered when a valid RLF template is configured	Not Defined	Standard
rlf	rlf-cfg-tps	INT32	Primary-key	active	Has the configured RLF tps	Triggered when TPS is set for a RLF template	Not Defined	Standard
rlf	rlf-state	STRING	Primary-key	active	Has the current RLF state	Triggered when RLF context is created for an open peer	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rlf	rlf-storage	STRING	Primary-key	active	Has the RLF storage type	Triggered when RLF context is created for an open peer	Not Defined	Standard
rlf	rlf-direction	STRING	Primary-key	active	Has the direction in which messages reach RLF (inbound/outbound peer)	Triggered when RLF context is created for an open peer	Not Defined	Standard
rlf	rlf-tot-active-time	INT32	Incremental	active	Measures the total time in sec, since the first message reached RLF and RLF became active	Triggered when a message reaches RLF	Per RLF context	Standard
rlf	rlf-curr-queue-size	INT32	Gauge	active	Measures the number of messages currently in the RLF queue	Triggered when a message is queued in RLF	Per RLF context	Standard
rlf	rlf-avg-tps	INT32	Gauge	active	Measures the average TPS in which messages flow through RLF	Triggered when the average TPS in which messages flow through RLF changes	Per RLF context	Standard
rlf	rlf-trend-tps	INT32	Gauge	active	Measures the trend TPS of messages flowing through RLF	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-10sec-avg-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 10 seconds	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-30sec-avg-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 20 seconds	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-60sec-avg-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 60 seconds	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-5min-avg-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 5 minutes	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-10min-avg-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 10 minutes	Triggered when there is change in number of messages flowing through RLF	Per RLF context	Standard
rlf	rlf-avg-bypass-tps	INT32	Gauge	active	Measures the average TPS, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard
rlf	rlf-10sec-avg-bypass-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 10 seconds, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard
rlf	rlf-30sec-avg-bypass-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 30 seconds, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard
rlf	rlf-60sec-avg-bypass-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 60 seconds, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard
rlf	rlf-5min-avg-bypass-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 5 minutes, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard
rlf	rlf-10min-avg-bypass-tps	INT32	Gauge	active	Measures the average RLF TPS for the last 10 minutes, when RLF has been bypassed using hidden CLI (rlf-bypass diamproxy)	Triggered when RLF has been bypassed and messages are pumped out	Per RLF context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
rlf	rlf-threshold-exceeded	INT32	Incremental	active	Measures the number of times the RLF threshold has been exceeded	Triggered when number of messages in the RLF queue exceeds the thresholds	Per RLF context	Standard
rlf	rlf-queued	INT32	Incremental	active	Measures the number of times messages were queued in RLF	Triggered when a message is queued in RLF	Per RLF context	Standard
rlf	rlf-dropped	INT32	Incremental	active	Measures the number of times messages were dropped, as the RLF queue was full	Triggered when a message is dropped from RLF (RLF queue full)	Per RLF context	Standard
rlf	rlf-directly-sent	INT32	Incremental	active	Measures the number of times a message was directly sent out without queueing	Triggered when a message is directly sent out of RLF	Per RLF context	Standard
rlf	rlf-queue-bypassed	INT32	Incremental	active	Measures the number of messages that reached RLF, when it was in bypass	Triggered when RLF is configured to be bypassed and a message reaches RLF	Per RLF context	Standard
rlf	rlf-send-msg-cb-failed	INT32	Incremental	active	Measures the number of times messenger failed to call the callback, after sending out the message from RLF	Triggered when it fails to call the send message callback	Per RLF context	Standard
rlf	rlf-status-update-cb-failed	INT32	Incremental	active	Measures the number of times messenger failed to call the status update callback	Triggered when it fails to call the status update callback	Per RLF context	Standard
rlf-detailed	rlf-ctx-name	STRING	Primary-key	active	Has the RLF context name	Triggered when a valid RLF template is configured and is bound to an open peer	Not Defined	Standard
rlf-detailed	rlf-template-name	STRING	Primary-key	active	Has the RLF template name	Triggered when a valid RLF template is configured	Not Defined	Standard
rlf-detailed	rlf-instance-num	INT32	Primary-key	active	The RLF facility's instance from which detailed stats have been fetched	Triggered when a valid RLF template is configured and is bound to an open peer	Per instance: Per RLF context	Standard
rlf-detailed	rlf-cfg-tps	INT32	Primary-key	active	Has the configured RLF tps	Triggered when TPS is set for a RLF template	Per instance: Per RLF context	Standard
rlf-detailed	rlf-state	STRING	Primary-key	active	Has the current RLF state	Triggered when RLF context is created for an open peer	Not Defined	Standard
rlf-detailed	rlf-curr-queue-size	INT32	Gauge	active	Measures the number of messages currently in the RLF queue	Triggered when a message is queued in RLF	Per instance: Per RLF context	Standard
rlf-detailed	rlf-avg-tps	INT32	Gauge	active	Measures the average TPS in which messages flow through RLF	Triggered when the average TPS in which messages flow through RLF changes	Per instance: Per RLF context	Standard
rlf-detailed	rlf-trend-tps	INT32	Gauge	active	Measures the trend TPS of messages flowing through RLF	Triggered when there is change in number of messages flowing through RLF	Per instance: Per RLF context	Standard
rlf-detailed	rlf-min-achieved-tps	INT32	Gauge	active	Measures the minimum achieved TPS for a particular RLF instance	Triggered when there is change in number of messages flowing through RLF	Per instance: Per RLF context	Standard
rlf-detailed	rlf-max-achieved-tps	INT32	Gauge	active	Measures the maximum achieved TPS for a particular RLF instance	Triggered when there is change in number of messages flowing through RLF	Per instance: Per RLF context	Standard
diameter-tps	diameter-tps-application-id	INT32	Primary-key	active	Indicates the Application ID exchanged in CER/CEA. This statistic is introduced in conjunction with the Diameter Transaction Rate KPI feature.	Not Applicable	App-ID	Standard
diameter-tps	diameter-tps-application-name	STRING	Primary-key	active	Indicates the name of specific Diameter application - Gx, Gy, S6b, STa, S6a, Rf, SWm. This statistic is introduced in conjunction with the Diameter Transaction Rate KPI feature.	Not Applicable	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-tps	diameter-tps-value	INT32	Gauge	active	Indicates the two minutes average Diameter Transactions per Second (TPS). TPS is computed based on average of sent and received Diameter messages per second. This statistic is introduced in conjunction with the Diameter Transaction Rate KPI feature.	Any Diameter messages sent to or received from the supported applications.	TPS	Standard
diameter	endpoint-name	STRING	Primary-key	active	This is the Diameter endpoint name.	Not Applicable	Not Defined	Standard
diameter	conn-disconnects	INT64	Incremental	active	Measures the number of Diameter connection disconnects	Increments when a Diameter connection disconnects	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-closes	INT64	Incremental	active	Measures the number of closed Diameter connections	Increments when a Diameter connection is closed	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-dhost-requests	INT64	Incremental	active	Measures the number of Diameter dhost requests	Increments when a Diameter dhost connection is requested	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-dhost-removes	INT64	Incremental	active	Measures the number of Diameter dhost removes	Increments when a Diameter dhost connection is removed	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-timeouts	INT64	Incremental	active	Measures the number of Diameter connection timeouts	Increments when a Diameter connection times out	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-binderr	INT64	Incremental	active	Measures the number of Diameter connection bind errors	Increments when a Diameter connection fails due to bind error	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-connecterr	INT64	Incremental	active	Measures the number of Diameter connection errors	Increments when a Diameter connection fails due to connect error	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-addresserr	INT64	Incremental	active	Measures the number of Diameter connection address errors	Increments when a Diameter connection fails due to address error	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-dhosterr	INT64	Incremental	active	Measures the number of Diameter connection dhost errors	Increments when a Diameter connection fails due to dhost error	Per Diameter endpoint/Diamproxy level	Standard
diameter	cer-senderr	INT64	Incremental	active	Measures the number of capability exchange messages send errors	Increments when a CER message failed due to an error	Per Diameter endpoint/Diamproxy level	Standard
diameter	cer-received	INT64	Incremental	active	Measures the number of capability exchange request messages received	Increments when a capability exchange request message is received	Per Diameter endpoint/Diamproxy level	Standard
diameter	cer-createfail	INT64	Incremental	active	Measures the number of capability exchange request message create failures	Increments when a capability exchange request message creation fails	Per Diameter endpoint/Diamproxy level	Standard
diameter	cea-received	INT64	Incremental	active	Measures the number of capability exchange answers received	Increments when a capability exchange answer is received	Per Diameter endpoint/Diamproxy level	Standard
diameter	cea-avpunknown	INT64	Incremental	active	Measures the number of CEAs received with unknown AVPs	Increments when a CEA is received with unknown AVPs	Per Diameter endpoint/Diamproxy level	Standard
diameter	cea-appid-mismatch	INT64	Incremental	active	Measures the number of CEAs received with application ID mismatch	Increments when a CEA is received with application ID mismatch	Per Diameter endpoint/Diamproxy level	Standard
diameter	cea-twexpiry	INT64	Incremental	active	Measures the number of CEA Tw watch dog timer expiries	Increments when a CEA Tw watch dog timer expires	Per Diameter endpoint/Diamproxy level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter	cea-negotiation-fail	INT64	Incremental	active	Measures the number of CEA Negotiation failures	Increments when a CEA Negotiation fails	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwa-attempts	INT64	Incremental	active	Measures the number of Device Watch dog Answer (DWA) message attempts	Increments when a watch dog answer message is attempted	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwa-allocation-fail	INT64	Incremental	active	Measures the number of DWA message allocation failures	Increments when a DWA message allocation fails	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwa-sent	INT64	Incremental	active	Measures the number of device watch dog answer messages sent	Increments when a device watch dog answer message is sent	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwr-senderr	INT64	Incremental	active	Measures the number of device watch dog answer messages send errors	Increments when a device watch dog answer message sent is failed	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwr-twexpiry	INT64	Incremental	active	Measures the number of DWR Tw watch dog timer expiries	Increments when a DWR Tw watch dog timer expires	Per Diameter endpoint/Diamproxy level	Standard
diameter	dwr-mherr	INT64	Incremental	active	Measures the number of DWR message handle errors	Increments when a DWR message handle error occurs	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpr-sent	INT64	Incremental	active	Measures the number of disconnect peer request messages sent	Increments when a disconnect peer request message is sent	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpr-received	INT64	Incremental	active	Measures the number of disconnect peer request messages received	Increments when a disconnect peer request message is received	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpr-attempts	INT64	Incremental	active	Measures the number of disconnect peer request attempts	Increments when a disconnect peer request is attempted	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpa-sent	INT64	Incremental	active	Measures the number of disconnect peer answers sent	Increments when a disconnect peer answer is sent	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpa-nohosterr	INT64	Incremental	active	Measures the number of DPA messages failed because of no host error	Increments when a DPA message failed because of no host error	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpr-senderr	INT64	Incremental	active	Measures the number of DPR messages failed because of send error	Increments when a DPR message failed because of send error	Per Diameter endpoint/Diamproxy level	Standard
diameter	dpr-imm-closeerr	INT64	Incremental	active	Measures the number of DPR messages failed because of an immediate close error	Increments when a Diameter connection is closed due to an error in en-queuing the message	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-last-rtt	INT64	Gauge	active	Measures the round trip time (RTT) of the last Diameter message (in milliseconds)	This statistics is updated whenever the last RTT is measured	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-route-add	INT64	Incremental	active	Measures the number of Diameter routes added	Increments when a Diameter route is added	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-route-expire	INT64	Incremental	active	Measures the number of route expiry events	Increments when a Diameter route expires	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-route-miss	INT64	Incremental	active	Measures the number of route misses	Increments when a Diameter route is missed	Per Diameter endpoint/Diamproxy level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter	diam-route-indirect	INT64	Incremental	active	Measures the number of route indirects	Increments when a Diameter route is directed	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-route-install	INT64	Incremental	active	Measures the number of route installs	Increments when a Diameter route is installed	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-dyroute-add	INT64	Incremental	active	Measures the number of dynamic routes installed	Increments when a dynamic route is installed	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-dyroute-remove	INT64	Incremental	active	Measures the number of dynamic routes removed	Increments when a dynamic route is removed	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-dyroute-hit	INT64	Incremental	active	Measures the number of dynamic route hits	Increments when a dynamic route is hit	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-dyroute-expire	INT64	Incremental	active	Measures the number of dynamic route expiries	Increments when a dynamic route expires	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-peer-open	INT64	Incremental	active	Measures the number of open Diameter peer connections	Increments when a Diameter peer connection is opened	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-peer-close	INT64	Incremental	active	Measures the number of closed Diameter peer connections	Increments when a Diameter peer connection is closed	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-newpeer-open	INT64	Incremental	active	Measures the number of new peer open Diameter connections	Increments when a new Diameter peer connection is opened	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-unknown-peererr	INT64	Incremental	active	Measures the number of unknown peer connection errors	Increments when a connection from an unknown peer is received	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-open-miss	INT64	Incremental	active	Measures the number of Diameter connection open misses	Increments when a connection open fails	Per Diameter endpoint/Diamproxy level	Standard
diameter	conn-miscerr	INT64	Incremental	active	Measures the number of connection errors including socket errors	Increments when a connection fails due to socket errors or dhost errors	Per Diameter endpoint/Diamproxy level	Standard
diameter	cer-sent	INT64	Incremental	active	Measures the number of CER messages sent	Increments when a CER message is sent to a peer	Per Diameter endpoint/Diamproxy level	Standard
diameter	diam-avg-rtt	INT64	Gauge	active	Measures the average round trip time (RTT) of the Diameter messages sent so far (in milliseconds)	This statistics is updated whenever the average RTT is measured	Per Diameter endpoint/Diamproxy level	Standard
diameter	read-sdr	INT64	Incremental	active	Indicates the total number of SDR read success at Diamproxy endpoint level	Increments for every successful attempt of SDR read operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	read-sdr-err	INT64	Incremental	active	Indicates the total number of SDR read failure at Diamproxy endpoint level	Increments for every failed attempt of SDR read operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	write-sda	INT64	Incremental	active	Indicates the total number of SDR write success at Diamproxy endpoint level	Increments for every successful attempt of SDR write operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	write-sda-err	INT64	Incremental	active	Indicates the total number of SDR write failure at Diamproxy endpoint level	Increments for every failed attempt of SDR write operation	Per Diameter endpoint/Diamproxy level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter	sess-not-found	INT64	Incremental	active	Indicates the total number of requests received to recover the session but the session is not found at Diamproxy endpoint level	Increments whenever the requests is received to recover the session but the session is not found at Diamproxy endpoint level	Not Defined	Standard
diameter	read-ssr	INT64	Incremental	active	Indicates the total number of SSR read success at Diamproxy endpoint level	Increments for every successful attempt of SSR read operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	read-ssr-err	INT64	Incremental	active	Indicates the total number of SSR read failure at Diamproxy endpoint level	Increments for every failed attempt of SSR read operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	write-ssa	INT64	Incremental	active	Indicates the total number of SSR write success at Diamproxy endpoint level	Increments for every successful attempt of SSR write operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	write-ssa-err	INT64	Incremental	active	Indicates the total number of SSR write failure at Diamproxy endpoint level	Increments for every failed attempt of SSR write operation	Per Diameter endpoint/Diamproxy level	Standard
diameter	gx-sess-not-found	INT64	Incremental	active	Indicates the total number of requests received to recover the gx session but the gx session is not found at Diamproxy endpoint level	Increments whenever the requests is received to recover the gx session but the gx session is not found at Diamproxy endpoint level	Not Defined	Standard
cscf	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
cscf	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the CSCF service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
cscf	svcname	STRING	Primary-key	active	Internal number that uniquely identifies an interface.	Configuration	Per CSCF Service	Standard
cscf	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Generated During System Startup	Per CSCF Service	Standard
cscf	curregusers	INT32	Incremental	active	Current Registered Users	Not Defined	Not Defined	Standard
cscf	failedauth	INT64	Incremental	active	Total number of Failed Authentications.	Not Defined	Not Defined	Standard
cscf	regexp	INT64	Incremental	active	Total number of Registration Expires.	Not Defined	Not Defined	Standard
cscf	de-regs	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-regs	INT64	Incremental	active	Total number of Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-succ-regs	INT64	Incremental	active	Total number of 200 OK Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-fail-regs	INT64	Incremental	active	Total number of Failed Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-regs-403	INT64	Incremental	active	Total number of 403 responses to Registration from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-re-regs	INT64	Incremental	active	Total number of Re-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-succ-re-regs	INT64	Incremental	active	Total number of 200 OK Re-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-fail-re-regs	INT64	Incremental	active	Total number of Failed Re-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-re-regs-403	INT64	Incremental	active	Total number of 403 responses to Re-Registration from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-de-regs	INT64	Incremental	active	Total number of De-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-succ-de-regs	INT64	Incremental	active	Total number of 200 OK De-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-fail-de-regs	INT64	Incremental	active	Total number of Failed De-Registrations from Roaming UE.	Not Defined	Not Defined	Standard
cscf	total-roaming-ue-de-regs-403	INT64	Incremental	active	Total number of 403 responses to De-Registration from Roaming UE.	Not Defined	Not Defined	Standard
cscf	de-regs-fromue	INT64	Incremental	active	Total number of De-registrations from UE.	Not Defined	Not Defined	Standard
cscf	de-regs-fromnw	INT64	Incremental	active	Total number of De-registrations from Network.	Not Defined	Not Defined	Standard
cscf	sec-regs	INT64	Incremental	active	Total number of Secure Registrations.	Not Defined	Not Defined	Standard
cscf	fail-sec-regs	INT64	Incremental	active	Total number of Failed Secure Registrations	Not Defined	Not Defined	Standard
cscf	emerg-regs	INT64	Incremental	active	Total number of Emergency Registrations.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	mo-call-succ-rate	FLOAT	Gauge	active	Mobile Originating calls success rate.	Not Defined	Float	Standard
cscf	mt-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating calls success rate.	Not Defined	Float	Standard
cscf	mo-voice-call-succ-rate	FLOAT	Gauge	active	Mobile Originating VOICE calls success rate.	Not Defined	Float	Standard
cscf	mt-voice-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating VOICE calls success rate.	Not Defined	Float	Standard
cscf	mo-video-call-succ-rate	FLOAT	Gauge	active	Mobile Originating VIDEO calls success rate.	Not Defined	Float	Standard
cscf	mt-video-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating VIDEO calls success rate.	Not Defined	Float	Standard
cscf	callattrx	INT64	Incremental	active	Total number of Call Attempts received.	Not Defined	Not Defined	Standard
cscf	callatttx	INT64	Incremental	active	Total number of Call Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	callsuccrx	INT64	Incremental	active	Total number of Call Success received.	Not Defined	Not Defined	Standard
cscf	callsucctx	INT64	Incremental	active	Total number of Call Success transmitted.	Not Defined	Not Defined	Standard
cscf	callfailrx	INT64	Incremental	active	Total number of Call Failures received.	Not Defined	Not Defined	Standard
cscf	callfailtx	INT64	Incremental	active	Total number of Call Failures transmitted.	Not Defined	Not Defined	Standard
cscf	curcscfsess	INT32	Incremental	active	Total number of current CSCF Sessions.	Not Defined	Not Defined	Standard
cscf	totalcscfsess	INT64	Incremental	active	Total number of CSCF Sessions.	Not Defined	Not Defined	Standard
cscf	call-resp-3xxrx	INT64	Incremental	active	Total number of Call 3xx Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-3xxtx	INT64	Incremental	active	Total number of Call 3xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-402rx	INT64	Incremental	active	Total number of Call 402 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-402tx	INT64	Incremental	active	Total number of Call 402 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-403rx	INT64	Incremental	active	Total number of Call 403 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-403tx	INT64	Incremental	active	Total number of Call 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-404rx	INT64	Incremental	active	Total number of Call 404 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-404tx	INT64	Incremental	active	Total number of Call 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-407rx	INT64	Incremental	active	Total number of Call 407 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-407tx	INT64	Incremental	active	Total number of Call 407 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-408rx	INT64	Incremental	active	Total number of Call 408 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-408tx	INT64	Incremental	active	Total number of Call 408 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-420rx	INT64	Incremental	active	Total number of Call 420 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-420tx	INT64	Incremental	active	Total number of Call 420 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-421rx	INT64	Incremental	active	Total number of Call 421 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-421tx	INT64	Incremental	active	Total number of Call 421 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-480rx	INT64	Incremental	active	Total number of Call 480 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-480tx	INT64	Incremental	active	Total number of Call 480 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-486rx	INT64	Incremental	active	Total number of Call 486 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-486tx	INT64	Incremental	active	Total number of Call 486 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-487rx	INT64	Incremental	active	Total number of Call 487 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-487tx	INT64	Incremental	active	Total number of Call 487 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-488rx	INT64	Incremental	active	Total number of Call 488 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-488tx	INT64	Incremental	active	Total number of Call 488 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-4xxrx	INT64	Incremental	active	Total number of Call 4xx Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-4xxtx	INT64	Incremental	active	Total number of Call 4xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-500rx	INT64	Incremental	active	Total number of Call 500 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-500tx	INT64	Incremental	active	Total number of Call 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-503rx	INT64	Incremental	active	Total number of Call 503 Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-503tx	INT64	Incremental	active	Total number of Call 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-5xxrx	INT64	Incremental	active	Total number of Call 5xx Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-5xxtx	INT64	Incremental	active	Total number of Call 5xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-resp-6xxrx	INT64	Incremental	active	Total number of Call 6xx Responses received.	Not Defined	Not Defined	Standard
cscf	call-resp-6xxtx	INT64	Incremental	active	Total number of Call 6xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	call-rel-attrx	INT64	Incremental	active	Total number of Call Release Attempts received.	Not Defined	Not Defined	Standard
cscf	call-rel-atttx	INT64	Incremental	active	Total number of Call Release Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	call-rel-succrx	INT64	Incremental	active	Total number of Call Release Success received.	Not Defined	Not Defined	Standard
cscf	call-rel-succtx	INT64	Incremental	active	Total number of Call Release Success transmitted.	Not Defined	Not Defined	Standard
cscf	call-rel-failrx	INT64	Incremental	active	Total number of Call Release Failures received.	Not Defined	Not Defined	Standard
cscf	call-rel-failtx	INT64	Incremental	active	Total number of Call Release Failures transmitted.	Not Defined	Not Defined	Standard
cscf	access-transfer-attrx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	access-transfer-atttx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cscf	access-transfer-succrx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cscf	access-transfer-succtx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cscf	access-transfer-failrx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cscf	access-transfer-failtx	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cscf	at-att-rx	INT64	Incremental	active	Total number of Access Transfer Attempts received.	Not Defined	Not Defined	Standard
cscf	at-att-tx	INT64	Incremental	active	Total number of Access Transfer Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	at-succ-rx	INT64	Incremental	active	Total number of Access Transfer Successes received.	Not Defined	Not Defined	Standard
cscf	at-succ-tx	INT64	Incremental	active	Total number of Access Transfer Successes transmitted.	Not Defined	Not Defined	Standard
cscf	at-fail-rx	INT64	Incremental	active	Total number of Access Transfer Failures received.	Not Defined	Not Defined	Standard
cscf	at-fail-tx	INT64	Incremental	active	Total number of Access Transfer Failures transmitted.	Not Defined	Not Defined	Standard
cscf	at-fail-404-rx	INT64	Incremental	active	Total number of 404 received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-404-tx	INT64	Incremental	active	Total number of 404 transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-488-rx	INT64	Incremental	active	Total number of 488 received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-488-tx	INT64	Incremental	active	Total number of 488 transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-500-rx	INT64	Incremental	active	Total number of 500 received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-500-tx	INT64	Incremental	active	Total number of 500 transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-4xx-rx	INT64	Incremental	active	Total number of 4XX received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-4xx-tx	INT64	Incremental	active	Total number of 4XX transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-5xx-rx	INT64	Incremental	active	Total number of 5XX received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-5xx-tx	INT64	Incremental	active	Total number of 5XX transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-6xx-rx	INT64	Incremental	active	Total number of 6XX received for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	at-fail-6xx-tx	INT64	Incremental	active	Total number of 6XX transmitted for Access Transfer requests.	Not Defined	Not Defined	Standard
cscf	reg-attrx	INT64	Incremental	active	Total number of Registration Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-atttx	INT64	Incremental	active	Total number of Registration Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-succrx	INT64	Incremental	active	Total number of Registration Successes received.	Not Defined	Not Defined	Standard
cscf	reg-succtx	INT64	Incremental	active	Total number of Registration Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-failrx	INT64	Incremental	active	Total number of Registration Failures received.	Not Defined	Not Defined	Standard
cscf	reg-failtx	INT64	Incremental	active	Total number of Registration Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-401rx	INT64	Incremental	active	Total number of Registration 401 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-401tx	INT64	Incremental	active	Total number of Registration 401 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-403rx	INT64	Incremental	active	Total number of Registration 403 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-403tx	INT64	Incremental	active	Total number of Registration 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-404rx	INT64	Incremental	active	Total number of Registration 404 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-404tx	INT64	Incremental	active	Total number of Registration 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-420rx	INT64	Incremental	active	Total number of Registration 420 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-420tx	INT64	Incremental	active	Total number of Registration 420 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-439rx	INT64	Incremental	active	Total number of Registration 439 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-439tx	INT64	Incremental	active	Total number of Registration 439 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-4xxrx	INT64	Incremental	active	Total number of Registration 4xx Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-4xxtx	INT64	Incremental	active	Total number of Registration 4xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-500rx	INT64	Incremental	active	Total number of Registration 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-500tx	INT64	Incremental	active	Total number of Registration 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-5xxrx	INT64	Incremental	active	Total number of Registration 5xx Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-5xxtx	INT64	Incremental	active	Total number of Registration 5xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resp-6xxrx	INT64	Incremental	active	Total number of Registration 6xx Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resp-6xxtx	INT64	Incremental	active	Total number of Registration 6xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-attrx	INT64	Incremental	active	Total number of Refresh Registration Attempts received.	Not Defined	Not Defined	Standard
cscf	rereg-atttx	INT64	Incremental	active	Total number of Refresh Registration Attempts transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	rereg-succrx	INT64	Incremental	active	Total Refresh Registration Successes received.	Not Defined	Not Defined	Standard
cscf	rereg-succtx	INT64	Incremental	active	Total number of Refresh Registration Successes transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-failrx	INT64	Incremental	active	Total number of Refresh Registration Failures received.	Not Defined	Not Defined	Standard
cscf	rereg-failtx	INT64	Incremental	active	Total number of Refresh Registration Failures transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-401rx	INT64	Incremental	active	Total number of Refresh Registration 401 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-401tx	INT64	Incremental	active	Total number of Refresh Registration 401 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-403rx	INT64	Incremental	active	Total number of Refresh Registration 403 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-403tx	INT64	Incremental	active	Total number of Refresh Registration 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-404rx	INT64	Incremental	active	Total number of Refresh Registration 404 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-404tx	INT64	Incremental	active	Total number of Refresh Registration 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-420rx	INT64	Incremental	active	Total number of Refresh Registration 420 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-420tx	INT64	Incremental	active	Total number of Refresh Registration 420 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-439rx	INT64	Incremental	active	Total number of Refresh Registration 439 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-439tx	INT64	Incremental	active	Total number of Refresh Registration 439 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-4xxrx	INT64	Incremental	active	Total number of Refresh Registration 4xx Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-4xxtx	INT64	Incremental	active	Total number of Refresh Registration 4xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-500rx	INT64	Incremental	active	Total number of Refresh Registration 500 Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-500tx	INT64	Incremental	active	Total number of Refresh Registration 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-5xxrx	INT64	Incremental	active	Total number of Refresh Registration 5xx Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-5xxtx	INT64	Incremental	active	Total number of Refresh Registration 5xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	rereg-resp-6xxrx	INT64	Incremental	active	Total number of Refresh Registration 6xx Responses received.	Not Defined	Not Defined	Standard
cscf	rereg-resp-6xxtx	INT64	Incremental	active	Total number of Refresh Registration 6xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-attrx	INT64	Incremental	active	Total number of Deregistration Attempts received.	Not Defined	Not Defined	Standard
cscf	dereg-atttx	INT64	Incremental	active	Total number of Deregistration Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-succrx	INT64	Incremental	active	Total number of Deregistration Successes received.	Not Defined	Not Defined	Standard
cscf	dereg-succtx	INT64	Incremental	active	Total number of Deregistration Successes transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-failrx	INT64	Incremental	active	Total number of Deregistration Failures received.	Not Defined	Not Defined	Standard
cscf	dereg-failtx	INT64	Incremental	active	Total number of Deregistration Failures transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-401rx	INT64	Incremental	active	Total number of Deregister 401 Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-401tx	INT64	Incremental	active	Total number of Deregister 401 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-403rx	INT64	Incremental	active	Total number of Deregister 403 Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-403tx	INT64	Incremental	active	Total number of Deregister 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-404rx	INT64	Incremental	active	Total number of Deregister 404 Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-404tx	INT64	Incremental	active	Total number of Deregister 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-420rx	INT64	Incremental	active	Total number of Deregister 420 Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-420tx	INT64	Incremental	active	Total number of Deregister 420 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	dereg-resp-4xxrx	INT64	Incremental	active	Total number of Deregister 4xx Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-4xxtx	INT64	Incremental	active	Total number of Deregister 4xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-500rx	INT64	Incremental	active	Total number of Deregister 500 Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-500tx	INT64	Incremental	active	Total number of Deregister 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-5xxrx	INT64	Incremental	active	Total number of Deregister 5xx Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-5xxtx	INT64	Incremental	active	Total number of Deregister 5xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	dereg-resp-6xxrx	INT64	Incremental	active	Total number of Deregister 6xx Responses received.	Not Defined	Not Defined	Standard
cscf	dereg-resp-6xxtx	INT64	Incremental	active	Total number of Deregister 6xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	subscribe-attempt-rx	INT64	Incremental	active	Total number of Subscribe attempts received.	Not Defined	Not Defined	Standard
cscf	subscribe-attempt-tx	INT64	Incremental	active	Total number of Subscribe attempts transmitted.	Not Defined	Not Defined	Standard
cscf	subscribe-success-rx	INT64	Incremental	active	Total number of Subscribe successes received.	Not Defined	Not Defined	Standard
cscf	subscribe-success-tx	INT64	Incremental	active	Total number of Subscribe successes transmitted.	Not Defined	Not Defined	Standard
cscf	subscribe-failure-rx	INT64	Incremental	active	Total number of Subscribe failures received.	Not Defined	Not Defined	Standard
cscf	subscribe-failure-tx	INT64	Incremental	active	Total number of Subscribe failures transmitted.	Not Defined	Not Defined	Standard
cscf	notify-attempt-rx	INT64	Incremental	active	Total number of Notify attempts received.	Not Defined	Not Defined	Standard
cscf	notify-attempt-tx	INT64	Incremental	active	Total number of Notify attempts transmitted.	Not Defined	Not Defined	Standard
cscf	notify-success-rx	INT64	Incremental	active	Total number of Notify successes received.	Not Defined	Not Defined	Standard
cscf	notify-success-tx	INT64	Incremental	active	Total number of Notify successes transmitted.	Not Defined	Not Defined	Standard
cscf	notify-failure-rx	INT64	Incremental	active	Total number of Notify failures received.	Not Defined	Not Defined	Standard
cscf	notify-failure-tx	INT64	Incremental	active	Total number of Notify failures transmitted.	Not Defined	Not Defined	Standard
cscf	publish-attempt-rx	INT64	Incremental	active	Total number of Publish attempts received.	Not Defined	Not Defined	Standard
cscf	publish-attempt-tx	INT64	Incremental	active	Total number of Publish Attempts attempts transmitted.	Not Defined	Not Defined	Standard
cscf	publish-success-rx	INT64	Incremental	active	Total number of Publish successes received.	Not Defined	Not Defined	Standard
cscf	publish-success-tx	INT64	Incremental	active	Total number of Publish successes transmitted.	Not Defined	Not Defined	Standard
cscf	publish-failure-rx	INT64	Incremental	active	Total number of Publish failures received.	Not Defined	Not Defined	Standard
cscf	publish-failure-tx	INT64	Incremental	active	Total number of Publish failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-attrx	INT64	Incremental	active	Total number of msg-summary Subscription attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-atttx	INT64	Incremental	active	Total number of msg-summary Subscription attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-succrx	INT64	Incremental	active	Total number of msg-summary Subscription successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-succtx	INT64	Incremental	active	Total number of msg-summary Subscription successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-failrx	INT64	Incremental	active	Total number of msg-summary Subscription failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-failtx	INT64	Incremental	active	Total number of msg-summary Subscription failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-200rx	INT64	Incremental	active	Total number of msg-summary Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-200tx	INT64	Incremental	active	Total number of msg-summary Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-202rx	INT64	Incremental	active	Total number of msg-summary Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-202tx	INT64	Incremental	active	Total number of msg-summary Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-400rx	INT64	Incremental	active	Total number of msg-summary Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-400tx	INT64	Incremental	active	Total number of msg-summary Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-403rx	INT64	Incremental	active	Total number of msg-summary Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-403tx	INT64	Incremental	active	Total number of msg-summary Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-subs-resp-481rx	INT64	Incremental	active	Total number of msg-summary Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-481tx	INT64	Incremental	active	Total number of msg-summary Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-489rx	INT64	Incremental	active	Total number of msg-summary Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-489tx	INT64	Incremental	active	Total number of msg-summary Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-500rx	INT64	Incremental	active	Total number of msg-summary Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-500tx	INT64	Incremental	active	Total number of msg-summary Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-subs-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-attrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-atttx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-succrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-succtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-failrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-failtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-200rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-200tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-202rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-202tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-400rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-400tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-403rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 403 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-resubs-resp-403tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-481rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-481tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-489rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-489tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-500rx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-500tx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-resubs-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Refresh Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-attrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-atttx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-succrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-succtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-failrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-failtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-200rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-200tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-202rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-202tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-400rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-400tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-unsubs-resp-403rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-403tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-481rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-481tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-489rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-489tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-500rx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-500tx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unsubs-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Un-Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-attrx	INT64	Incremental	active	Total number of msg-summary Notify Attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-atttx	INT64	Incremental	active	Total number of msg-summary Notify Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-succrx	INT64	Incremental	active	Total number of msg-summary Notify Successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-succtx	INT64	Incremental	active	Total number of msg-summary Notify Successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-failrx	INT64	Incremental	active	Total number of msg-summary Notify Failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-failtx	INT64	Incremental	active	Total number of msg-summary Notify Failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Notify 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Notify 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-400rx	INT64	Incremental	active	Total number of msg-summary Notify 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-400tx	INT64	Incremental	active	Total number of msg-summary Notify 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-481rx	INT64	Incremental	active	Total number of msg-summary Notify 481 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-481tx	INT64	Incremental	active	Total number of msg-summary Notify 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-489rx	INT64	Incremental	active	Total number of msg-summary Notify 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-489tx	INT64	Incremental	active	Total number of msg-summary Notify 489 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-notify-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Notify 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Notify 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-500rx	INT64	Incremental	active	Total number of msg-summary Notify 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-500tx	INT64	Incremental	active	Total number of msg-summary Notify 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Notify 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Notify 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Notify 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-notify-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Notify 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-attrx	INT64	Incremental	active	Total number of msg-summary Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-atttx	INT64	Incremental	active	Total number of msg-summary Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-succrx	INT64	Incremental	active	Total number of msg-summary Publish Successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-succtx	INT64	Incremental	active	Total number of msg-summary Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-failrx	INT64	Incremental	active	Total number of msg-summary Publish Failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-failtx	INT64	Incremental	active	Total number of msg-summary Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-400rx	INT64	Incremental	active	Total number of msg-summary Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-400tx	INT64	Incremental	active	Total number of msg-summary Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-404rx	INT64	Incremental	active	Total number of msg-summary Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-404tx	INT64	Incremental	active	Total number of msg-summary Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-412rx	INT64	Incremental	active	Total number of msg-summary Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-412tx	INT64	Incremental	active	Total number of msg-summary Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-423rx	INT64	Incremental	active	Total number of msg-summary Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-423tx	INT64	Incremental	active	Total number of msg-summary Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-489rx	INT64	Incremental	active	Total number of msg-summary Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-489tx	INT64	Incremental	active	Total number of msg-summary Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-500rx	INT64	Incremental	active	Total number of msg-summary Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-500tx	INT64	Incremental	active	Total number of msg-summary Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-pub-resp-503rx	INT64	Incremental	active	Total number of msg-summary Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-503tx	INT64	Incremental	active	Total number of msg-summary Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-pub-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-attrx	INT64	Incremental	active	Total number of msg-summary Un-Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-atttx	INT64	Incremental	active	Total number of msg-summary Un-Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-succrx	INT64	Incremental	active	Total number of msg-summary Un-Publish Successes received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-succtx	INT64	Incremental	active	Total number of msg-summary Un-Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-failrx	INT64	Incremental	active	Total number of msg-summary Un-Publish Failures received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-failtx	INT64	Incremental	active	Total number of msg-summary Un-Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-3xxrx	INT64	Incremental	active	Total number of msg-summary Un-Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-3xxtx	INT64	Incremental	active	Total number of msg-summary Un-Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-400rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-400tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-404rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-404tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-412rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-412tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-423rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-423tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-489rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-489tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-4xxrx	INT64	Incremental	active	Total number of msg-summary Un-Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-4xxtx	INT64	Incremental	active	Total number of msg-summary Un-Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-500rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-500tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msgsum-unpub-resp-503rx	INT64	Incremental	active	Total number of msg-summary Un-Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-503tx	INT64	Incremental	active	Total number of msg-summary Un-Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-5xxrx	INT64	Incremental	active	Total number of msg-summary Un-Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-5xxtx	INT64	Incremental	active	Total number of msg-summary Un-Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-6xxrx	INT64	Incremental	active	Total number of msg-summary Un-Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	msgsum-unpub-resp-6xxtx	INT64	Incremental	active	Total number of msg-summary Un-Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-attrx	INT64	Incremental	active	Total number of presence Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-subs-atttx	INT64	Incremental	active	Total number of presence Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-succrx	INT64	Incremental	active	Total number of presence Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	pres-subs-succtx	INT64	Incremental	active	Total number of presence Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-failrx	INT64	Incremental	active	Total number of presence Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	pres-subs-failtx	INT64	Incremental	active	Total number of presence Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-200rx	INT64	Incremental	active	Total number of presence Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-200tx	INT64	Incremental	active	Total number of presence Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-202rx	INT64	Incremental	active	Total number of presence Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-202tx	INT64	Incremental	active	Total number of presence Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-400rx	INT64	Incremental	active	Total number of presence Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-400tx	INT64	Incremental	active	Total number of presence Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-403rx	INT64	Incremental	active	Total number of presence Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-403tx	INT64	Incremental	active	Total number of presence Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-481rx	INT64	Incremental	active	Total number of presence Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-481tx	INT64	Incremental	active	Total number of presence Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-489rx	INT64	Incremental	active	Total number of presence Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-489tx	INT64	Incremental	active	Total number of presence Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-500rx	INT64	Incremental	active	Total number of presence Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-500tx	INT64	Incremental	active	Total number of presence Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-3xxrx	INT64	Incremental	active	Total number of presence Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-3xxtx	INT64	Incremental	active	Total number of presence Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-4xxrx	INT64	Incremental	active	Total number of presence Subscription 4XX Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	pres-subs-resp-4xxtx	INT64	Incremental	active	Total number of presence Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-5xxrx	INT64	Incremental	active	Total number of presence Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-5xxtx	INT64	Incremental	active	Total number of presence Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-6xxrx	INT64	Incremental	active	Total number of presence Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-subs-resp-6xxtx	INT64	Incremental	active	Total number of presence Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-attrx	INT64	Incremental	active	Total number of presence Refresh Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-atttx	INT64	Incremental	active	Total number of presence Refresh Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-succrx	INT64	Incremental	active	Total number of presence Refresh Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-succtx	INT64	Incremental	active	Total number of presence Refresh Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-failrx	INT64	Incremental	active	Total number of presence Refresh Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-failtx	INT64	Incremental	active	Total number of presence Refresh Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-200rx	INT64	Incremental	active	Total number of presence Refresh Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-200tx	INT64	Incremental	active	Total number of presence Refresh Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-202rx	INT64	Incremental	active	Total number of presence Refresh Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-202tx	INT64	Incremental	active	Total number of presence Refresh Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-400rx	INT64	Incremental	active	Total number of presence Refresh Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-400tx	INT64	Incremental	active	Total number of presence Refresh Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-403rx	INT64	Incremental	active	Total number of presence Refresh Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-403tx	INT64	Incremental	active	Total number of presence Refresh Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-481rx	INT64	Incremental	active	Total number of presence Refresh Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-481tx	INT64	Incremental	active	Total number of presence Refresh Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-489rx	INT64	Incremental	active	Total number of presence Refresh Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-489tx	INT64	Incremental	active	Total number of presence Refresh Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-500rx	INT64	Incremental	active	Total number of presence Refresh Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-500tx	INT64	Incremental	active	Total number of presence Refresh Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-3xxrx	INT64	Incremental	active	Total number of presence Refresh Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-3xxtx	INT64	Incremental	active	Total number of presence Refresh Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	pres-resubs-resp-4xxrx	INT64	Incremental	active	Total number of presence Refresh Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-4xxtx	INT64	Incremental	active	Total number of presence Refresh Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-5xxrx	INT64	Incremental	active	Total number of presence Refresh Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-5xxtx	INT64	Incremental	active	Total number of presence Refresh Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-6xxrx	INT64	Incremental	active	Total number of presence Refresh Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-resubs-resp-6xxtx	INT64	Incremental	active	Total number of presence Refresh Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-attrx	INT64	Incremental	active	Total number of presence Un-Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-atttx	INT64	Incremental	active	Total number of presence Un-Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-succrx	INT64	Incremental	active	Total number of presence Un-Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-succtx	INT64	Incremental	active	Total number of presence Un-Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-failrx	INT64	Incremental	active	Total number of presence Un-Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-failtx	INT64	Incremental	active	Total number of presence Un-Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-200rx	INT64	Incremental	active	Total number of presence Un-Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-200tx	INT64	Incremental	active	Total number of presence Un-Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-202rx	INT64	Incremental	active	Total number of presence Un-Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-202tx	INT64	Incremental	active	Total number of presence Un-Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-400rx	INT64	Incremental	active	Total number of presence Un-Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-400tx	INT64	Incremental	active	Total number of presence Un-Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-403rx	INT64	Incremental	active	Total number of presence Un-Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-403tx	INT64	Incremental	active	Total number of presence Un-Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-481rx	INT64	Incremental	active	Total number of presence Un-Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-481tx	INT64	Incremental	active	Total number of presence Un-Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-489rx	INT64	Incremental	active	Total number of presence Un-Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-489tx	INT64	Incremental	active	Total number of presence Un-Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-500rx	INT64	Incremental	active	Total number of presence Un-Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-500tx	INT64	Incremental	active	Total number of presence Un-Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-3xxrx	INT64	Incremental	active	Total number of presence Un-Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-3xxtx	INT64	Incremental	active	Total number of presence Un-Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	pres-unsubs-resp-4xxrx	INT64	Incremental	active	Total number of presence Un-Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-4xxtx	INT64	Incremental	active	Total number of presence Un-Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-5xxrx	INT64	Incremental	active	Total number of presence Un-Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-5xxtx	INT64	Incremental	active	Total number of presence Un-Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-6xxrx	INT64	Incremental	active	Total number of presence Un-Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unsubs-resp-6xxtx	INT64	Incremental	active	Total number of presence Un-Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-attrx	INT64	Incremental	active	Total number of presence Notify Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-notify-atttx	INT64	Incremental	active	Total number of presence Notify Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-succrx	INT64	Incremental	active	Total number of presence Notify Successes received.	Not Defined	Not Defined	Standard
cscf	pres-notify-succtx	INT64	Incremental	active	Total number of presence Notify Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-failrx	INT64	Incremental	active	Total number of presence Notify Failures received.	Not Defined	Not Defined	Standard
cscf	pres-notify-failtx	INT64	Incremental	active	Total number of presence Notify Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-3xxrx	INT64	Incremental	active	Total number of presence Notify 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-3xxtx	INT64	Incremental	active	Total number of presence Notify 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-400rx	INT64	Incremental	active	Total number of presence Notify 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-400tx	INT64	Incremental	active	Total number of presence Notify 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-481rx	INT64	Incremental	active	Total number of presence Notify 481 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-481tx	INT64	Incremental	active	Total number of presence Notify 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-489rx	INT64	Incremental	active	Total number of presence Notify 489 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-489tx	INT64	Incremental	active	Total number of presence Notify 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-4xxrx	INT64	Incremental	active	Total number of presence Notify 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-4xxtx	INT64	Incremental	active	Total number of presence Notify 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-500rx	INT64	Incremental	active	Total number of presence Notify 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-500tx	INT64	Incremental	active	Total number of presence Notify 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-5xxrx	INT64	Incremental	active	Total number of presence Notify 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-5xxtx	INT64	Incremental	active	Total number of presence Notify 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-6xxrx	INT64	Incremental	active	Total number of presence Notify 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-notify-resp-6xxtx	INT64	Incremental	active	Total number of presence Notify 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-attrx	INT64	Incremental	active	Total number of presence Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-pub-atttx	INT64	Incremental	active	Total number of presence Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-succrx	INT64	Incremental	active	Total number of presence Publish Successes received.	Not Defined	Not Defined	Standard
cscf	pres-pub-succtx	INT64	Incremental	active	Total number of presence Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-failrx	INT64	Incremental	active	Total number of presence Publish Failures received.	Not Defined	Not Defined	Standard
cscf	pres-pub-failtx	INT64	Incremental	active	Total number of presence Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-3xxrx	INT64	Incremental	active	Total number of presence Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-3xxtx	INT64	Incremental	active	Total number of presence Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-400rx	INT64	Incremental	active	Total number of presence Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-400tx	INT64	Incremental	active	Total number of presence Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-404rx	INT64	Incremental	active	Total number of presence Publish 404 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	pres-pub-resp-404tx	INT64	Incremental	active	Total number of presence Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-412rx	INT64	Incremental	active	Total number of presence Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-412tx	INT64	Incremental	active	Total number of presence Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-423rx	INT64	Incremental	active	Total number of presence Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-423tx	INT64	Incremental	active	Total number of presence Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-489rx	INT64	Incremental	active	Total number of presence Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-489tx	INT64	Incremental	active	Total number of presence Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-4xxrx	INT64	Incremental	active	Total number of presence Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-4xxtx	INT64	Incremental	active	Total number of presence Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-500rx	INT64	Incremental	active	Total number of presence Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-500tx	INT64	Incremental	active	Total number of presence Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-503rx	INT64	Incremental	active	Total number of presence Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-503tx	INT64	Incremental	active	Total number of presence Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-5xxrx	INT64	Incremental	active	Total number of presence Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-5xxtx	INT64	Incremental	active	Total number of presence Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-6xxrx	INT64	Incremental	active	Total number of presence Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-pub-resp-6xxtx	INT64	Incremental	active	Total number of presence Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-attrx	INT64	Incremental	active	Total number of presence Un-Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-atttx	INT64	Incremental	active	Total number of presence Un-Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-succrx	INT64	Incremental	active	Total number of presence Un-Publish Successes received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-succtx	INT64	Incremental	active	Total number of presence Un-Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-failrx	INT64	Incremental	active	Total number of presence Un-Publish Failures received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-failtx	INT64	Incremental	active	Total number of presence Un-Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-3xxrx	INT64	Incremental	active	Total number of presence Un-Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-3xxtx	INT64	Incremental	active	Total number of presence Un-Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-400rx	INT64	Incremental	active	Total number of presence Un-Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-400tx	INT64	Incremental	active	Total number of presence Un-Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-404rx	INT64	Incremental	active	Total number of presence Un-Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-404tx	INT64	Incremental	active	Total number of presence Un-Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-412rx	INT64	Incremental	active	Total number of presence Un-Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-412tx	INT64	Incremental	active	Total number of presence Un-Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-423rx	INT64	Incremental	active	Total number of presence Un-Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-423tx	INT64	Incremental	active	Total number of presence Un-Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-489rx	INT64	Incremental	active	Total number of presence Un-Publish 489 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	pres-unpub-resp-489tx	INT64	Incremental	active	Total number of presence Un-Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-4xxrx	INT64	Incremental	active	Total number of presence Un-Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-4xxtx	INT64	Incremental	active	Total number of presence Un-Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-500rx	INT64	Incremental	active	Total number of presence Un-Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-500tx	INT64	Incremental	active	Total number of presence Un-Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-503rx	INT64	Incremental	active	Total number of presence Un-Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-503tx	INT64	Incremental	active	Total number of presence Un-Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-5xxrx	INT64	Incremental	active	Total number of presence Un-Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-5xxtx	INT64	Incremental	active	Total number of presence Un-Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-6xxrx	INT64	Incremental	active	Total number of presence Un-Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	pres-unpub-resp-6xxtx	INT64	Incremental	active	Total number of presence Un-Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-attrx	INT64	Incremental	active	Total number of reg Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-subs-atttx	INT64	Incremental	active	Total number of reg Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-succrx	INT64	Incremental	active	Total number of reg Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	reg-subs-succtx	INT64	Incremental	active	Total number of reg Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-failrx	INT64	Incremental	active	Total number of reg Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	reg-subs-failtx	INT64	Incremental	active	Total number of reg Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-200rx	INT64	Incremental	active	Total number of reg Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-200tx	INT64	Incremental	active	Total number of reg Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-202rx	INT64	Incremental	active	Total number of reg Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-202tx	INT64	Incremental	active	Total number of reg Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-400rx	INT64	Incremental	active	Total number of reg Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-400tx	INT64	Incremental	active	Total number of reg Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-403rx	INT64	Incremental	active	Total number of reg Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-403tx	INT64	Incremental	active	Total number of reg Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-481rx	INT64	Incremental	active	Total number of reg Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-481tx	INT64	Incremental	active	Total number of reg Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-489rx	INT64	Incremental	active	Total number of reg Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-489tx	INT64	Incremental	active	Total number of reg Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-500rx	INT64	Incremental	active	Total number of reg Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-500tx	INT64	Incremental	active	Total number of reg Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-3xxrx	INT64	Incremental	active	Total number of reg Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-3xxtx	INT64	Incremental	active	Total number of reg Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-4xxrx	INT64	Incremental	active	Total number of reg Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-4xxtx	INT64	Incremental	active	Total number of reg Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	reg-subs-resp-5xxrx	INT64	Incremental	active	Total number of reg Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-5xxtx	INT64	Incremental	active	Total number of reg Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-6xxrx	INT64	Incremental	active	Total number of reg Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-subs-resp-6xxtx	INT64	Incremental	active	Total number of reg Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-attrx	INT64	Incremental	active	Total number of reg Refresh Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-atttx	INT64	Incremental	active	Total number of reg Refresh Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-succrx	INT64	Incremental	active	Total number of reg Refresh Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-succtx	INT64	Incremental	active	Total number of reg Refresh Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-failrx	INT64	Incremental	active	Total number of reg Refresh Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-failtx	INT64	Incremental	active	Total number of reg Refresh Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-200rx	INT64	Incremental	active	Total number of reg Refresh Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-200tx	INT64	Incremental	active	Total number of reg Refresh Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-202rx	INT64	Incremental	active	Total number of reg Refresh Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-202tx	INT64	Incremental	active	Total number of reg Refresh Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-400rx	INT64	Incremental	active	Total number of reg Refresh Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-400tx	INT64	Incremental	active	Total number of reg Refresh Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-403rx	INT64	Incremental	active	Total number of reg Refresh Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-403tx	INT64	Incremental	active	Total number of reg Refresh Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-481rx	INT64	Incremental	active	Total number of reg Refresh Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-481tx	INT64	Incremental	active	Total number of reg Refresh Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-489rx	INT64	Incremental	active	Total number of reg Refresh Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-489tx	INT64	Incremental	active	Total number of reg Refresh Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-500rx	INT64	Incremental	active	Total number of reg Refresh Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-500tx	INT64	Incremental	active	Total number of reg Refresh Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-3xxrx	INT64	Incremental	active	Total number of reg Refresh Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-3xxtx	INT64	Incremental	active	Total number of reg Refresh Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-4xxrx	INT64	Incremental	active	Total number of reg Refresh Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-4xxtx	INT64	Incremental	active	Total number of reg Refresh Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-5xxrx	INT64	Incremental	active	Total number of reg Refresh Subscription 5XX Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	reg-resubs-resp-5xxtx	INT64	Incremental	active	Total number of reg Refresh Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-6xxrx	INT64	Incremental	active	Total number of reg Refresh Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-resubs-resp-6xxtx	INT64	Incremental	active	Total number of reg Refresh Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-attrx	INT64	Incremental	active	Total number of reg Un-Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-atttx	INT64	Incremental	active	Total number of reg Un-Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-succrx	INT64	Incremental	active	Total number of reg Un-Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-succtx	INT64	Incremental	active	Total number of reg Un-Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-failrx	INT64	Incremental	active	Total number of reg Un-Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-failtx	INT64	Incremental	active	Total number of reg Un-Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-200rx	INT64	Incremental	active	Total number of reg Un-Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-200tx	INT64	Incremental	active	Total number of reg Un-Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-202rx	INT64	Incremental	active	Total number of reg Un-Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-202tx	INT64	Incremental	active	Total number of reg Un-Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-400rx	INT64	Incremental	active	Total number of reg Un-Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-400tx	INT64	Incremental	active	Total number of reg Un-Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-403rx	INT64	Incremental	active	Total number of reg Un-Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-403tx	INT64	Incremental	active	Total number of reg Un-Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-481rx	INT64	Incremental	active	Total number of reg Un-Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-481tx	INT64	Incremental	active	Total number of reg Un-Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-489rx	INT64	Incremental	active	Total number of reg Un-Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-489tx	INT64	Incremental	active	Total number of reg Un-Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-500rx	INT64	Incremental	active	Total number of reg Un-Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-500tx	INT64	Incremental	active	Total number of reg Un-Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-3xxrx	INT64	Incremental	active	Total number of reg Un-Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-3xxtx	INT64	Incremental	active	Total number of reg Un-Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-4xxrx	INT64	Incremental	active	Total number of reg Un-Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-4xxtx	INT64	Incremental	active	Total number of reg Un-Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-5xxrx	INT64	Incremental	active	Total number of reg Un-Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-5xxtx	INT64	Incremental	active	Total number of reg Un-Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unsubs-resp-6xxrx	INT64	Incremental	active	Total number of reg Un-Subscription 6XX Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	reg-unsubs-resp-6xxtx	INT64	Incremental	active	Total number of reg Un-Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-attrx	INT64	Incremental	active	Total number of reg Notify Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-notify-atttx	INT64	Incremental	active	Total number of reg Notify Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-succrx	INT64	Incremental	active	Total number of reg Notify Successes received.	Not Defined	Not Defined	Standard
cscf	reg-notify-succtx	INT64	Incremental	active	Total number of reg Notify Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-failrx	INT64	Incremental	active	Total number of reg Notify Failures received.	Not Defined	Not Defined	Standard
cscf	reg-notify-failtx	INT64	Incremental	active	Total number of reg Notify Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-3xxrx	INT64	Incremental	active	Total number of reg Notify 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-3xxtx	INT64	Incremental	active	Total number of reg Notify 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-400rx	INT64	Incremental	active	Total number of reg Notify 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-400tx	INT64	Incremental	active	Total number of reg Notify 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-481rx	INT64	Incremental	active	Total number of reg Notify 481 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-481tx	INT64	Incremental	active	Total number of reg Notify 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-489rx	INT64	Incremental	active	Total number of reg Notify 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-489tx	INT64	Incremental	active	Total number of reg Notify 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-4xxrx	INT64	Incremental	active	Total number of reg Notify 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-4xxtx	INT64	Incremental	active	Total number of reg Notify 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-500rx	INT64	Incremental	active	Total number of reg Notify 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-500tx	INT64	Incremental	active	Total number of reg Notify 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-5xxrx	INT64	Incremental	active	Total number of reg Notify 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-5xxtx	INT64	Incremental	active	Total number of reg Notify 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-6xxrx	INT64	Incremental	active	Total number of reg Notify 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-notify-resp-6xxtx	INT64	Incremental	active	Total number of reg Notify 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-attrx	INT64	Incremental	active	Total number of reg Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-pub-atttx	INT64	Incremental	active	Total number of reg Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-succrx	INT64	Incremental	active	Total number of reg Publish Successes received.	Not Defined	Not Defined	Standard
cscf	reg-pub-succtx	INT64	Incremental	active	Total number of reg Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-failrx	INT64	Incremental	active	Total number of reg Publish Failures received.	Not Defined	Not Defined	Standard
cscf	reg-pub-failtx	INT64	Incremental	active	Total number of reg Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-3xxrx	INT64	Incremental	active	Total number of reg Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-3xxtx	INT64	Incremental	active	Total number of reg Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-400rx	INT64	Incremental	active	Total number of reg Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-400tx	INT64	Incremental	active	Total number of reg Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-404rx	INT64	Incremental	active	Total number of reg Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-404tx	INT64	Incremental	active	Total number of reg Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-412rx	INT64	Incremental	active	Total number of reg Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-412tx	INT64	Incremental	active	Total number of reg Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-423rx	INT64	Incremental	active	Total number of reg Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-423tx	INT64	Incremental	active	Total number of reg Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-489rx	INT64	Incremental	active	Total number of reg Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-489tx	INT64	Incremental	active	Total number of reg Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-4xxrx	INT64	Incremental	active	Total number of reg Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-4xxtx	INT64	Incremental	active	Total number of reg Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-500rx	INT64	Incremental	active	Total number of reg Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-500tx	INT64	Incremental	active	Total number of reg Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-503rx	INT64	Incremental	active	Total number of reg Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-503tx	INT64	Incremental	active	Total number of reg Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-5xxrx	INT64	Incremental	active	Total number of reg Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-5xxtx	INT64	Incremental	active	Total number of reg Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-6xxrx	INT64	Incremental	active	Total number of reg Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-pub-resp-6xxtx	INT64	Incremental	active	Total number of reg Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-attrx	INT64	Incremental	active	Total number of reg Un-Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-atttx	INT64	Incremental	active	Total number of reg Un-Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-succrx	INT64	Incremental	active	Total number of reg Un-Publish Successes received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	reg-unpub-succtx	INT64	Incremental	active	Total number of reg Un-Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-failrx	INT64	Incremental	active	Total number of reg Un-Publish Failures received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-failtx	INT64	Incremental	active	Total number of reg Un-Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-3xxrx	INT64	Incremental	active	Total number of reg Un-Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-3xxtx	INT64	Incremental	active	Total number of reg Un-Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-400rx	INT64	Incremental	active	Total number of reg Un-Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-400tx	INT64	Incremental	active	Total number of reg Un-Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-404rx	INT64	Incremental	active	Total number of reg Un-Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-404tx	INT64	Incremental	active	Total number of reg Un-Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-412rx	INT64	Incremental	active	Total number of reg Un-Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-412tx	INT64	Incremental	active	Total number of reg Un-Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-423rx	INT64	Incremental	active	Total number of reg Un-Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-423tx	INT64	Incremental	active	Total number of reg Un-Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-489rx	INT64	Incremental	active	Total number of reg Un-Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-489tx	INT64	Incremental	active	Total number of reg Un-Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-4xxrx	INT64	Incremental	active	Total number of reg Un-Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-4xxtx	INT64	Incremental	active	Total number of reg Un-Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-500rx	INT64	Incremental	active	Total number of reg Un-Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-500tx	INT64	Incremental	active	Total number of reg Un-Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-503rx	INT64	Incremental	active	Total number of reg Un-Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-503tx	INT64	Incremental	active	Total number of reg Un-Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-5xxrx	INT64	Incremental	active	Total number of reg Un-Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-5xxtx	INT64	Incremental	active	Total number of reg Un-Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-6xxrx	INT64	Incremental	active	Total number of reg Un-Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	reg-unpub-resp-6xxtx	INT64	Incremental	active	Total number of reg Un-Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-attrx	INT64	Incremental	active	Total number of winfo Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-atttx	INT64	Incremental	active	Total number of winfo Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-succrx	INT64	Incremental	active	Total number of winfo Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-succtx	INT64	Incremental	active	Total number of winfo Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-failrx	INT64	Incremental	active	Total number of winfo Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-failtx	INT64	Incremental	active	Total number of winfo Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-200rx	INT64	Incremental	active	Total number of winfo Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-200tx	INT64	Incremental	active	Total number of winfo Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-202rx	INT64	Incremental	active	Total number of winfo Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-202tx	INT64	Incremental	active	Total number of winfo Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-400rx	INT64	Incremental	active	Total number of winfo Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-400tx	INT64	Incremental	active	Total number of winfo Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-403rx	INT64	Incremental	active	Total number of winfo Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-403tx	INT64	Incremental	active	Total number of winfo Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-481rx	INT64	Incremental	active	Total number of winfo Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-481tx	INT64	Incremental	active	Total number of winfo Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-489rx	INT64	Incremental	active	Total number of winfo Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-489tx	INT64	Incremental	active	Total number of winfo Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	winfo-subs-resp-500rx	INT64	Incremental	active	Total number of winfo Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-500tx	INT64	Incremental	active	Total number of winfo Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-3xxrx	INT64	Incremental	active	Total number of winfo Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-3xxtx	INT64	Incremental	active	Total number of winfo Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-4xxrx	INT64	Incremental	active	Total number of winfo Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-4xxtx	INT64	Incremental	active	Total number of winfo Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-5xxrx	INT64	Incremental	active	Total number of winfo Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-5xxtx	INT64	Incremental	active	Total number of winfo Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-6xxrx	INT64	Incremental	active	Total number of winfo Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-subs-resp-6xxtx	INT64	Incremental	active	Total number of winfo Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-attrx	INT64	Incremental	active	Total number of winfo Refresh Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-atttx	INT64	Incremental	active	Total number of winfo Refresh Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-succrx	INT64	Incremental	active	Total number of winfo Refresh Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-succtx	INT64	Incremental	active	Total number of winfo Refresh Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-failrx	INT64	Incremental	active	Total number of winfo Refresh Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-failtx	INT64	Incremental	active	Total number of winfo Refresh Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-200rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-200tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-202rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-202tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-400rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-400tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-403rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-403tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-481rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-481tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-489rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 489 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	winfo-resubs-resp-489tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-500rx	INT64	Incremental	active	Total number of winfo Refresh Subscription 500 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-500tx	INT64	Incremental	active	Total number of winfo Refresh Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-3xxrx	INT64	Incremental	active	Total number of winfo Refresh Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-3xxtx	INT64	Incremental	active	Total number of winfo Refresh Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-4xxrx	INT64	Incremental	active	Total number of winfo Refresh Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-4xxtx	INT64	Incremental	active	Total number of winfo Refresh Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-5xxrx	INT64	Incremental	active	Total number of winfo Refresh Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-5xxtx	INT64	Incremental	active	Total number of winfo Refresh Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-6xxrx	INT64	Incremental	active	Total number of winfo Refresh Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-resubs-resp-6xxtx	INT64	Incremental	active	Total number of winfo Refresh Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-attrx	INT64	Incremental	active	Total number of winfo Un-Subscription Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-atttx	INT64	Incremental	active	Total number of winfo Un-Subscription Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-succrx	INT64	Incremental	active	Total number of winfo Un-Subscription Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-succtx	INT64	Incremental	active	Total number of winfo Un-Subscription Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-failrx	INT64	Incremental	active	Total number of winfo Un-Subscription Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-failtx	INT64	Incremental	active	Total number of winfo Un-Subscription Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-200rx	INT64	Incremental	active	Total number of winfo Un-Subscription 200 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-200tx	INT64	Incremental	active	Total number of winfo Un-Subscription 200 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-202rx	INT64	Incremental	active	Total number of winfo Un-Subscription 202 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-202tx	INT64	Incremental	active	Total number of winfo Un-Subscription 202 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-400rx	INT64	Incremental	active	Total number of winfo Un-Subscription 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-400tx	INT64	Incremental	active	Total number of winfo Un-Subscription 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-403rx	INT64	Incremental	active	Total number of winfo Un-Subscription 403 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-403tx	INT64	Incremental	active	Total number of winfo Un-Subscription 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-481rx	INT64	Incremental	active	Total number of winfo Un-Subscription 481 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-481tx	INT64	Incremental	active	Total number of winfo Un-Subscription 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-489rx	INT64	Incremental	active	Total number of winfo Un-Subscription 489 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-489tx	INT64	Incremental	active	Total number of winfo Un-Subscription 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-500rx	INT64	Incremental	active	Total number of winfo Un-Subscription 500 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	winfo-unsubs-resp-500tx	INT64	Incremental	active	Total number of winfo Un-Subscription 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-3xxrx	INT64	Incremental	active	Total number of winfo Un-Subscription 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-3xxtx	INT64	Incremental	active	Total number of winfo Un-Subscription 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-4xxrx	INT64	Incremental	active	Total number of winfo Un-Subscription 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-4xxtx	INT64	Incremental	active	Total number of winfo Un-Subscription 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-5xxrx	INT64	Incremental	active	Total number of winfo Un-Subscription 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-5xxtx	INT64	Incremental	active	Total number of winfo Un-Subscription 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-6xxrx	INT64	Incremental	active	Total number of winfo Un-Subscription 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unsubs-resp-6xxtx	INT64	Incremental	active	Total number of winfo Un-Subscription 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-attrx	INT64	Incremental	active	Total number of winfo Notify Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-atttx	INT64	Incremental	active	Total number of winfo Notify Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-succrx	INT64	Incremental	active	Total number of winfo Notify Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-succtx	INT64	Incremental	active	Total number of winfo Notify Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-failrx	INT64	Incremental	active	Total number of winfo Notify Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-failtx	INT64	Incremental	active	Total number of winfo Notify Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-3xxrx	INT64	Incremental	active	Total number of winfo Notify 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-3xxtx	INT64	Incremental	active	Total number of winfo Notify 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-400rx	INT64	Incremental	active	Total number of winfo Notify 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-400tx	INT64	Incremental	active	Total number of winfo Notify 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-481rx	INT64	Incremental	active	Total number of winfo Notify 481 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-481tx	INT64	Incremental	active	Total number of winfo Notify 481 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-489rx	INT64	Incremental	active	Total number of winfo Notify 489 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-489tx	INT64	Incremental	active	Total number of winfo Notify 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-4xxrx	INT64	Incremental	active	Total number of winfo Notify 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-4xxtx	INT64	Incremental	active	Total number of winfo Notify 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-500rx	INT64	Incremental	active	Total number of winfo Notify 500 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-500tx	INT64	Incremental	active	Total number of winfo Notify 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-5xxrx	INT64	Incremental	active	Total number of winfo Notify 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-5xxtx	INT64	Incremental	active	Total number of winfo Notify 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-6xxrx	INT64	Incremental	active	Total number of winfo Notify 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-notify-resp-6xxtx	INT64	Incremental	active	Total number of winfo Notify 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-attrx	INT64	Incremental	active	Total number of winfo Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-atttx	INT64	Incremental	active	Total number of winfo Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-succrx	INT64	Incremental	active	Total number of winfo Publish Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-succtx	INT64	Incremental	active	Total number of winfo Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-failrx	INT64	Incremental	active	Total number of winfo Publish Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-failtx	INT64	Incremental	active	Total number of winfo Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-3xxrx	INT64	Incremental	active	Total number of winfo Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-3xxtx	INT64	Incremental	active	Total number of winfo Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-400rx	INT64	Incremental	active	Total number of winfo Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-400tx	INT64	Incremental	active	Total number of winfo Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-404rx	INT64	Incremental	active	Total number of winfo Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-404tx	INT64	Incremental	active	Total number of winfo Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-412rx	INT64	Incremental	active	Total number of winfo Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-412tx	INT64	Incremental	active	Total number of winfo Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-423rx	INT64	Incremental	active	Total number of winfo Publish 423 Responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	winfo-pub-resp-423tx	INT64	Incremental	active	Total number of winfo Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-489rx	INT64	Incremental	active	Total number of winfo Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-489tx	INT64	Incremental	active	Total number of winfo Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-4xxrx	INT64	Incremental	active	Total number of winfo Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-4xxtx	INT64	Incremental	active	Total number of winfo Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-500rx	INT64	Incremental	active	Total number of winfo Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-500tx	INT64	Incremental	active	Total number of winfo Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-503rx	INT64	Incremental	active	Total number of winfo Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-503tx	INT64	Incremental	active	Total number of winfo Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-5xxrx	INT64	Incremental	active	Total number of winfo Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-5xxtx	INT64	Incremental	active	Total number of winfo Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-6xxrx	INT64	Incremental	active	Total number of winfo Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-pub-resp-6xxtx	INT64	Incremental	active	Total number of winfo Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-attrx	INT64	Incremental	active	Total number of winfo Un-Publish Attempts received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-atttx	INT64	Incremental	active	Total number of winfo Un-Publish Attempts transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-succrx	INT64	Incremental	active	Total number of winfo Un-Publish Successes received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-succtx	INT64	Incremental	active	Total number of winfo Un-Publish Successes transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-failrx	INT64	Incremental	active	Total number of winfo Un-Publish Failures received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-failtx	INT64	Incremental	active	Total number of winfo Un-Publish Failures transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-3xxrx	INT64	Incremental	active	Total number of winfo Un-Publish 3XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-3xxtx	INT64	Incremental	active	Total number of winfo Un-Publish 3XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-400rx	INT64	Incremental	active	Total number of winfo Un-Publish 400 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-400tx	INT64	Incremental	active	Total number of winfo Un-Publish 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-404rx	INT64	Incremental	active	Total number of winfo Un-Publish 404 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-404tx	INT64	Incremental	active	Total number of winfo Un-Publish 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-412rx	INT64	Incremental	active	Total number of winfo Un-Publish 412 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-412tx	INT64	Incremental	active	Total number of winfo Un-Publish 412 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-423rx	INT64	Incremental	active	Total number of winfo Un-Publish 423 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-423tx	INT64	Incremental	active	Total number of winfo Un-Publish 423 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-489rx	INT64	Incremental	active	Total number of winfo Un-Publish 489 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-489tx	INT64	Incremental	active	Total number of winfo Un-Publish 489 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-4xxrx	INT64	Incremental	active	Total number of winfo Un-Publish 4XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-4xxtx	INT64	Incremental	active	Total number of winfo Un-Publish 4XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-500rx	INT64	Incremental	active	Total number of winfo Un-Publish 500 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-500tx	INT64	Incremental	active	Total number of winfo Un-Publish 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-503rx	INT64	Incremental	active	Total number of winfo Un-Publish 503 Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-503tx	INT64	Incremental	active	Total number of winfo Un-Publish 503 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-5xxrx	INT64	Incremental	active	Total number of winfo Un-Publish 5XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-5xxtx	INT64	Incremental	active	Total number of winfo Un-Publish 5XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-6xxrx	INT64	Incremental	active	Total number of winfo Un-Publish 6XX Responses received.	Not Defined	Not Defined	Standard
cscf	winfo-unpub-resp-6xxtx	INT64	Incremental	active	Total number of winfo Un-Publish 6XX Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-attrx	INT32	Incremental	active	Total number of Message attempts received.	Not Defined	Not Defined	Standard
cscf	message-atttx	INT32	Incremental	active	Total number of Message attempts transmitted.	Not Defined	Not Defined	Standard
cscf	message-succrx	INT32	Incremental	active	Total number of Message success received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	message-succtx	INT32	Incremental	active	Total number of Message success transmitted.	Not Defined	Not Defined	Standard
cscf	message-failrx	INT32	Incremental	active	Total number of Message failures received.	Not Defined	Not Defined	Standard
cscf	message-failtx	INT32	Incremental	active	Total number of Message failures transmitted.	Not Defined	Not Defined	Standard
cscf	message-3xx-rx	INT32	Incremental	active	Total number of Message 3xx Responses received.	Not Defined	Not Defined	Standard
cscf	message-3xx-tx	INT32	Incremental	active	Total number of Message 3xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-400-rx	INT32	Incremental	active	Total number of Message 400 Responses received.	Not Defined	Not Defined	Standard
cscf	message-400-tx	INT32	Incremental	active	Total number of Message 400 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-403-rx	INT32	Incremental	active	Total number of Message 403 Responses received.	Not Defined	Not Defined	Standard
cscf	message-403-tx	INT32	Incremental	active	Total number of Message 403 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-404-rx	INT32	Incremental	active	Total number of Message 404 Responses received.	Not Defined	Not Defined	Standard
cscf	message-404-tx	INT32	Incremental	active	Total number of Message 404 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-413-rx	INT32	Incremental	active	Total number of Message 413 Responses received.	Not Defined	Not Defined	Standard
cscf	message-413-tx	INT32	Incremental	active	Total number of Message 413 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-415-rx	INT32	Incremental	active	Total number of Message 415 Responses received.	Not Defined	Not Defined	Standard
cscf	message-415-tx	INT32	Incremental	active	Total number of Message 415 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-416-rx	INT32	Incremental	active	Total number of Message 416 Responses received.	Not Defined	Not Defined	Standard
cscf	message-416-tx	INT32	Incremental	active	Total number of Message 416 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-420-rx	INT32	Incremental	active	Total number of Message 420 Responses received.	Not Defined	Not Defined	Standard
cscf	message-420-tx	INT32	Incremental	active	Total number of Message 420 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-421-rx	INT32	Incremental	active	Total number of Message 421 Response received.	Not Defined	Not Defined	Standard
cscf	message-421-tx	INT32	Incremental	active	Total number of Message 421 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-480-rx	INT32	Incremental	active	Total number of Message 480 Responses received.	Not Defined	Not Defined	Standard
cscf	message-480-tx	INT32	Incremental	active	Total number of Message 480 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-488-rx	INT32	Incremental	active	Total number of Message 488 Responses received.	Not Defined	Not Defined	Standard
cscf	message-488-tx	INT32	Incremental	active	Total number of Message 488 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-4xx-rx	INT32	Incremental	active	Total number of Message 4xx Responses received.	Not Defined	Not Defined	Standard
cscf	message-4xx-tx	INT32	Incremental	active	Total number of Message 4xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-500-rx	INT32	Incremental	active	Total number of Message 500 Responses received.	Not Defined	Not Defined	Standard
cscf	message-500-tx	INT32	Incremental	active	Total number of Message 500 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-513-rx	INT32	Incremental	active	Total number of Message 513 Responses received.	Not Defined	Not Defined	Standard
cscf	message-513-tx	INT32	Incremental	active	Total number of Message 513 Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-5xx-rx	INT32	Incremental	active	Total number of Message 5xx Responses received.	Not Defined	Not Defined	Standard
cscf	message-5xx-tx	INT32	Incremental	active	Total number of Message 5xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	message-6xx-rx	INT32	Incremental	active	Total number of Message 6xx Responses received.	Not Defined	Not Defined	Standard
cscf	message-6xx-tx	INT32	Incremental	active	Total number of Total Message 6xx Responses transmitted.	Not Defined	Not Defined	Standard
cscf	callrejpdf	INT64	Incremental	active	Total number of Call Rejects from PDF.	Not Defined	Not Defined	Standard
cscf	callrejloc	INT64	Incremental	active	Total number of Call Rejects from Proxy (local).	Not Defined	Not Defined	Standard
cscf	sesstimeexp	INT64	Incremental	active	Total number of Session Timer Expires.	Not Defined	Not Defined	Standard
cscf	hssacc	INT64	Incremental	active	Total number of HSS Accesses.	Not Defined	Not Defined	Standard
cscf	emergcalls	INT64	Incremental	active	Total number of Emergency Calls.	Not Defined	Not Defined	Standard
cscf	emerg-priv-calls	INT64	Incremental	active	Total number of User-requested Privacy Calls. Applicable only for E-CSCF.	Not Defined	Not Defined	Standard
cscf	tollfreecalls	INT64	Incremental	active	Total number of Toll Free Calls.	Not Defined	Not Defined	Standard
cscf	premservcalls	INT64	Incremental	active	Total number of Premium Service Calls.	Not Defined	Not Defined	Standard
cscf	internationalcalls	INT64	Incremental	active	Total number of International Calls.	Not Defined	Not Defined	Standard
cscf	longDistancecalls	INT64	Incremental	active	Total number of Long Distance Calls.	Not Defined	Not Defined	Standard
cscf	opassistcalls	INT64	Incremental	active	Total number of Operator Assisted Calls.	Not Defined	Not Defined	Standard
cscf	dirassistcalls	INT64	Incremental	active	Total number of Directory Assisted Calls.	Not Defined	Not Defined	Standard
cscf	largerthansipmaxsize	INT64	Incremental	active	Total number of Too Large SIP Messages.	Not Defined	Not Defined	Standard
cscf	rtp-sent	INT64	Incremental	active	Total number of RTP packets sent.	Not Defined	Not Defined	Standard
cscf	rtcp-sent	INT64	Incremental	active	Total number of RTCP packets sent.	Not Defined	Not Defined	Standard
cscf	rtp-recv	INT64	Incremental	active	Total number of RTP packets received.	Not Defined	Not Defined	Standard
cscf	srtp-sent	INT64	Incremental	active	Total number of SRTP packets sent.	Not Defined	Not Defined	Standard
cscf	srtp-recv	INT64	Incremental	active	Total number of SRTP packets received.	Not Defined	Not Defined	Standard
cscf	srtcp-sent	INT64	Incremental	active	Total number of SRTCP packets sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	srtcp-recv	INT64	Incremental	active	Total number of SRTCP packets received.	Not Defined	Not Defined	Standard
cscf	msrp-sent	INT64	Incremental	active	Total number of MSRP TCP packets sent.	Not Defined	Not Defined	Standard
cscf	msrp-recv	INT64	Incremental	active	Total number of MSRP TCP packets received.	Not Defined	Not Defined	Standard
cscf	callrel-from-ue	INT64	Incremental	active	Total number of Call Releases initiated by UE.	Not Defined	Not Defined	Standard
cscf	callrel-from-nw	INT64	Incremental	active	Total number of Call Releases initiated by Network.	Not Defined	Not Defined	Standard
cscf	callrel-from-radioloss	INT64	Incremental	active	Total number of Call Releases initiated by Radio Loss.	Not Defined	Not Defined	Standard
cscf	callrel-from-local	INT64	Incremental	active	Total number of Call Releases initiated by CSCF (Local).	Not Defined	Not Defined	Standard
cscf	sigcomp-req-comp	INT64	Incremental	active	Total number of Requests Compressed.	Not Defined	Not Defined	Standard
cscf	sigcomp-req-decomp	INT64	Incremental	active	Total number of Requests Decompressed.	Not Defined	Not Defined	Standard
cscf	sigcomp-resp-comp	INT64	Incremental	active	Total number of Responses Compressed.	Not Defined	Not Defined	Standard
cscf	sigcomp-resp-decomp	INT64	Incremental	active	Total number of Responses Decompressed.	Not Defined	Not Defined	Standard
cscf	sigcomp-nack-rx	INT64	Incremental	active	Total number of NACK Packets received.	Not Defined	Not Defined	Standard
cscf	sigcomp-nack-tx	INT64	Incremental	active	Total number of NACK Packets transmitted.	Not Defined	Not Defined	Standard
cscf	sigcomp-comp-fail	INT64	Incremental	active	Total number of Compression Failures.	Not Defined	Not Defined	Standard
cscf	sigcomp-decomp-fail	INT64	Incremental	active	Total number of Decompression Failures.	Not Defined	Not Defined	Standard
cscf	sigcomp-bestout-compratio	FLOAT	Gauge	active	Best Outgoing Message Compression Ratio	Not Defined	Float	Standard
cscf	sigcomp-worstout-compratio	FLOAT	Gauge	active	Worst Outgoing Message Compression Ratio	Not Defined	Float	Standard
cscf	sigcomp-bestin-compratio	FLOAT	Gauge	active	Best Incoming Message Compression Ratio	Not Defined	Float	Standard
cscf	sigcomp-worstin-compratio	FLOAT	Gauge	active	Worst Incoming Message Compression Ratio	Not Defined	Float	Standard
cscf	sigcomp-averagein-compratio	FLOAT	Gauge	active	Average Incoming Message Compression Ratio	Not Defined	Float	Standard
cscf	sigcomp-averageout-compratio	FLOAT	Gauge	active	Average Outgoing Message Compression Ratio	Not Defined	Float	Standard
cscf	min-invite-proc-time	INT32	Gauge	active	Minimum Invite Process Time	Not Defined	Not Defined	Standard
cscf	max-invite-proc-time	INT32	Gauge	active	Maximum Invite Process Timer	Not Defined	Not Defined	Standard
cscf	min-first-resp-time	INT32	Gauge	active	Minimum First Response Time	Not Defined	Not Defined	Standard
cscf	max-first-resp-time	INT32	Gauge	active	Maximum First Response Time	Not Defined	Not Defined	Standard
cscf	min-post-dial-delay	INT32	Gauge	active	Minimum Post-Dial Delay	Not Defined	Not Defined	Standard
cscf	max-post-dial-delay	INT32	Gauge	active	Maximum Post-Dial Delay	Not Defined	Not Defined	Standard
cscf	min-session-setup-delay	INT32	Gauge	active	Minimum Session Setup Delay	Not Defined	Not Defined	Standard
cscf	max-session-setup-delay	INT32	Gauge	active	Maximum Session Setup Delay	Not Defined	Not Defined	Standard
cscf	min-post-answer-delay	INT32	Gauge	active	Minimum Post Answer Delay	Not Defined	Not Defined	Standard
cscf	max-post-answer-delay	INT32	Gauge	active	Maximum Post Answer Delay	Not Defined	Not Defined	Standard
cscf	min-session-rel-delay	INT32	Gauge	active	Minimum Session Release Delay	Not Defined	Not Defined	Standard
cscf	max-session-rel-delay	INT32	Gauge	active	Maximum Session Release Delay	Not Defined	Not Defined	Standard
cscf	active-tcp-conn	INT64	Incremental	active	Total number of Active TCP connections.	Not Defined	Not Defined	Standard
cscf	closed-tcp-conn	INT64	Incremental	active	Total number of Closed TCP connections.	Not Defined	Not Defined	Standard
cscf	succ-tcp-conn-out	INT64	Incremental	active	Total number of Successful Outgoing connections.	Not Defined	Not Defined	Standard
cscf	fail-tcp-conn-out	INT64	Incremental	active	Total number of Failed Outgoing connections.	Not Defined	Not Defined	Standard
cscf	succ-tcp-conn-in	INT64	Incremental	active	Total number of Successful Incoming connections.	Not Defined	Not Defined	Standard
cscf	fail-tcp-conn-in	INT64	Incremental	active	Total number of Failed Incoming connections.	Not Defined	Not Defined	Standard
cscf	migrated-tcp-conn	INT64	Incremental	active	Total number of TCP connections migrated from Cscfmgr to Sessmgr for load balancing.	Not Defined	Not Defined	Standard
cscf	packet-tcp-rx	INT64	Incremental	active	Total number of TCP/IP packets received by CSCF service.	Not Defined	Not Defined	Standard
cscf	packet-tcp-tx	INT64	Incremental	active	Total number of TCP/IP packets transmitted by CSCF service.	Not Defined	Not Defined	Standard
cscf	bytes-tcp-rx	INT64	Incremental	active	Total number of TCP/IP bytes received by CSCF service.	Not Defined	Not Defined	Standard
cscf	bytes-tcp-tx	INT64	Incremental	active	Total number of TCP/IP bytes transmitted by CSCF service.	Not Defined	Not Defined	Standard
cscf	message-tcp-request-rx	INT64	Incremental	active	Total number of TCP requests received over TCP.	Not Defined	Not Defined	Standard
cscf	message-tcp-request-tx	INT64	Incremental	active	Total number of TCP requests transmitted over TCP.	Not Defined	Not Defined	Standard
cscf	message-tcp-response-rx	INT64	Incremental	active	Total number of TCP responses received over TCP.	Not Defined	Not Defined	Standard
cscf	message-tcp-response-tx	INT64	Incremental	active	Total number of TCP responses transmitted over TCP.	Not Defined	Not Defined	Standard
cscf	message-tcp-mtu-switch	INT64	Incremental	active	Total number of times CSCF switched from UDP to TCP because of message size larger than MTU.	Not Defined	Not Defined	Standard
cscf	sip-tcp-subs	INT64	Incremental	active	Total number of subscribers using TCP for SIP.	Not Defined	Not Defined	Standard
cscf	msrp-active-tcp-conn	INT64	Incremental	active	Total number of active MSRP TCP connections.	Not Defined	Not Defined	Standard
cscf	msrp-closed-tcp-conn	INT64	Incremental	active	Total number of closed MSRP TCP connections.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	msrp-succ-tcp-conn-out	INT64	Incremental	active	Total number of outgoing MSRP TCP connections established successfully.	Not Defined	Not Defined	Standard
cscf	msrp-fail-tcp-conn-out	INT64	Incremental	active	Total number of failed outgoing MSRP TCP connections.	Not Defined	Not Defined	Standard
cscf	msrp-succ-tcp-conn-in	INT64	Incremental	active	Total number of incoming MSRP TCP connections established successfully.	Not Defined	Not Defined	Standard
cscf	msrp-fail-tcp-conn-in	INT64	Incremental	active	Total number of failed incoming MSRP TCP connections.	Not Defined	Not Defined	Standard
cscf	msrp-packet-rx	INT64	Incremental	active	Total number of MSRP packets received.	Not Defined	Not Defined	Standard
cscf	msrp-packet-tx	INT64	Incremental	active	Total number of MSRP packets transmitted.	Not Defined	Not Defined	Standard
cscf	msrp-bytes-rx	INT64	Incremental	active	Total number of MSRP bytes received.	Not Defined	Not Defined	Standard
cscf	msrp-bytes-tx	INT64	Incremental	active	Total number of MSRP bytes transmitted.	Not Defined	Not Defined	Standard
cscf	msrp-tcp-subs	INT64	Incremental	active	Total number of subscribers with TCP connection for MSRP.	Not Defined	Not Defined	Standard
cscf	reg-rejdueto-secagree	INT64	Incremental	active	Total number of Registration Rejects due to Security Agreement	Not Defined	Not Defined	Standard
cscf	reg-rejdueto-algomismatch	INT64	Incremental	active	Total number of Registration Rejects due to Algorithm Mismatch	Not Defined	Not Defined	Standard
cscf	msg-drops-duetoerror	INT64	Incremental	active	Total number of Message drops due to error.	Not Defined	Not Defined	Standard
cscf	sec-rereg	INT64	Incremental	active	Total number of Secure re-registrations	Not Defined	Not Defined	Standard
cscf	sec-dereg	INT64	Incremental	active	Total number of Secure de-registrations	Not Defined	Not Defined	Standard
cscf	msgs-withincorr-sec-verify	INT64	Incremental	active	Total number of Messages with Incorrect security Verify	Not Defined	Not Defined	Standard
cscf	sec-assoc-rejects	INT64	Incremental	active	Total number of Security Associations rejected.	Not Defined	Not Defined	Standard
cscf	sub-with-sec-conn	INT32	Incremental	active	Total number of Subscribers with secure connections.	Not Defined	Not Defined	Standard
cscf	sub-with-unsec-conn	INT32	Incremental	active	Total number of Subscribers with unsecure connections.	Not Defined	Not Defined	Standard
cscf	ipsec-pktrx	INT64	Incremental	active	Total number of IP-Sec Packets received.	Not Defined	Not Defined	Standard
cscf	ipsec-pkttx	INT64	Incremental	active	Total number of IP-Sec Packets transmitted.	Not Defined	Not Defined	Standard
cscf	ipsec-octrx	INT64	Incremental	active	Total number of IP-Sec Octets received.	Not Defined	Not Defined	Standard
cscf	ipsec-octtx	INT64	Incremental	active	Total number of IP-Sec Octets transmitted.	Not Defined	Not Defined	Standard
cscf	active-ipsec-tcp-conn	INT64	Incremental	active	Total number of Active IPSec TCP connections	Not Defined	Not Defined	Standard
cscf	closed-ipsec-tcp-conn	INT64	Incremental	active	Total number of Closed IPSec TCP connections	Not Defined	Not Defined	Standard
cscf	succ-ipsec-tcp-conn-out	INT64	Incremental	active	Total number of Successful IPSec Outgoing connections	Not Defined	Not Defined	Standard
cscf	fail-ipsec-tcp-conn-out	INT64	Incremental	active	Total number of Failed IPSec Outgoing connections	Not Defined	Not Defined	Standard
cscf	succ-ipsec-tcp-conn-in	INT64	Incremental	active	Total number of Successful IPSec Incoming connections	Not Defined	Not Defined	Standard
cscf	fail-ipsec-tcp-conn-in	INT64	Incremental	active	Total number of Failed IPSec Incoming connections	Not Defined	Not Defined	Standard
cscf	regreqrx	INT64	Incremental	active	Total number of Register requests received.	Not Defined	Not Defined	Standard
cscf	regreqtx	INT64	Incremental	active	Total number of Register requests transmitted.	Not Defined	Not Defined	Standard
cscf	invreqrx	INT64	Incremental	active	Total number of Invite requests received.	Not Defined	Not Defined	Standard
cscf	invreqtx	INT64	Incremental	active	Total number of Invite requests transmitted.	Not Defined	Not Defined	Standard
cscf	ackreqrx	INT64	Incremental	active	Total number of ACK requests received.	Not Defined	Not Defined	Standard
cscf	ackreqtx	INT64	Incremental	active	Total number of ACK requests transmitted.	Not Defined	Not Defined	Standard
cscf	byereqrx	INT64	Incremental	active	Total number of Bye requests received.	Not Defined	Not Defined	Standard
cscf	byereqtx	INT64	Incremental	active	Total number of Bye requests transmitted.	Not Defined	Not Defined	Standard
cscf	cancreqrx	INT64	Incremental	active	Total number of Cancel requests received.	Not Defined	Not Defined	Standard
cscf	cancreqtx	INT64	Incremental	active	Total number of Cancel requests transmitted.	Not Defined	Not Defined	Standard
cscf	optreqrx	INT64	Incremental	active	Total number of Options requests received.	Not Defined	Not Defined	Standard
cscf	optreqtx	INT64	Incremental	active	Total number of Options requests transmitted.	Not Defined	Not Defined	Standard
cscf	prackreqrx	INT64	Incremental	active	Total number of PRACK requests received.	Not Defined	Not Defined	Standard
cscf	prackreqtx	INT64	Incremental	active	Total number of PRACK requests transmitted.	Not Defined	Not Defined	Standard
cscf	subreqrx	INT64	Incremental	active	Total number of Subscribe requests received.	Not Defined	Not Defined	Standard
cscf	subreqtx	INT64	Incremental	active	Total number of Subscribe requests transmitted.	Not Defined	Not Defined	Standard
cscf	notreqrx	INT64	Incremental	active	Total number of Notify requests received.	Not Defined	Not Defined	Standard
cscf	notreqtx	INT64	Incremental	active	Total number of Notify requests transmitted.	Not Defined	Not Defined	Standard
cscf	refreqrx	INT64	Incremental	active	Total number of Refer requests received.	Not Defined	Not Defined	Standard
cscf	refreqtx	INT64	Incremental	active	Total number of Refer requests transmitted.	Not Defined	Not Defined	Standard
cscf	inforeqrx	INT64	Incremental	active	Total number of Info requests received.	Not Defined	Not Defined	Standard
cscf	inforeqtx	INT64	Incremental	active	Total number of Info requests transmitted.	Not Defined	Not Defined	Standard
cscf	updreqrx	INT64	Incremental	active	Total number of Update requests received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	updreqtx	INT64	Incremental	active	Total number of Update requests transmitted.	Not Defined	Not Defined	Standard
cscf	msgreqrx	INT64	Incremental	active	Total number of Message requests received.	Not Defined	Not Defined	Standard
cscf	msgreqtx	INT64	Incremental	active	Total number of Message requests transmitted.	Not Defined	Not Defined	Standard
cscf	pubreqrx	INT64	Incremental	active	Total number of Publish requests received.	Not Defined	Not Defined	Standard
cscf	pubreqtx	INT64	Incremental	active	Total number of Publish requests transmitted.	Not Defined	Not Defined	Standard
cscf	tryrsprx	INT64	Incremental	active	Total number of Trying responses received.	Not Defined	Not Defined	Standard
cscf	tryrsptx	INT64	Incremental	active	Total number of Trying responses transmitted.	Not Defined	Not Defined	Standard
cscf	rngrsprx	INT64	Incremental	active	Total number of Ringing responses received.	Not Defined	Not Defined	Standard
cscf	rngrsptx	INT64	Incremental	active	Total number of Ringing responses transmitted.	Not Defined	Not Defined	Standard
cscf	fwdrsprx	INT64	Incremental	active	Total number of Forwarded responses received.	Not Defined	Not Defined	Standard
cscf	fwdrsptx	INT64	Incremental	active	Total number of Forwarded responses transmitted.	Not Defined	Not Defined	Standard
cscf	quersprx	INT64	Incremental	active	Total number of Queued responses received.	Not Defined	Not Defined	Standard
cscf	quersptx	INT64	Incremental	active	Total number of Queued responses transmitted.	Not Defined	Not Defined	Standard
cscf	prgrsprx	INT64	Incremental	active	Total number of Progress responses received.	Not Defined	Not Defined	Standard
cscf	prgrsptx	INT64	Incremental	active	Total number of Progress responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-regrsprx	INT64	Incremental	active	Total number of 200OK Register responses received.	Not Defined	Not Defined	Standard
cscf	200-regrsptx	INT64	Incremental	active	Total number of 200OK Register responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-invrsprx	INT64	Incremental	active	Total number of 200OK Invite responses received.	Not Defined	Not Defined	Standard
cscf	200-invrsptx	INT64	Incremental	active	Total number of 200OK Invite responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-byersprx	INT64	Incremental	active	Total number of 200OK Bye responses received.	Not Defined	Not Defined	Standard
cscf	200-byersptx	INT64	Incremental	active	Total number of 200OK Bye responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-cnlrsprx	INT64	Incremental	active	Total number of 200OK Cancel responses received.	Not Defined	Not Defined	Standard
cscf	200-cnlrsptx	INT64	Incremental	active	Total number of 200OK Cancel responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-optrsprx	INT64	Incremental	active	Total number of 200OK Options responses received.	Not Defined	Not Defined	Standard
cscf	200-optrsptx	INT64	Incremental	active	Total number of 200OK Options responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-prackrsprx	INT64	Incremental	active	Total number of 200OK PRACK responses received.	Not Defined	Not Defined	Standard
cscf	200-prackrsptx	INT64	Incremental	active	Total number of 200OK PRACK responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-subrsprx	INT64	Incremental	active	Total number of 200OK Subscribe responses received.	Not Defined	Not Defined	Standard
cscf	200-subrsptx	INT64	Incremental	active	Total number of 200OK Subscribe responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-notrsprx	INT64	Incremental	active	Total number of 200OK Notify responses received.	Not Defined	Not Defined	Standard
cscf	200-notrsptx	INT64	Incremental	active	Total number of 200OK Notify responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-infrsprx	INT64	Incremental	active	Total number of 200OK Info responses received.	Not Defined	Not Defined	Standard
cscf	200-infrsptx	INT64	Incremental	active	Total number of 200OK Info responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-updrsprx	INT64	Incremental	active	Total number of 200OK Update responses received.	Not Defined	Not Defined	Standard
cscf	200-updrsptx	INT64	Incremental	active	Total number of 200OK Update responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-pubrsprx	INT64	Incremental	active	Total number of 200OK Publish responses received.	Not Defined	Not Defined	Standard
cscf	200-pubrsptx	INT64	Incremental	active	Total number of 200OK Publish responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-refrsprx	INT64	Incremental	active	Total number of 200OK Refer responses received.	Not Defined	Not Defined	Standard
cscf	200-refrsptx	INT64	Incremental	active	Total number of 200OK Refer responses transmitted.	Not Defined	Not Defined	Standard
cscf	200-msgrsprx	INT64	Incremental	active	Total number of 200OK Message responses received.	Not Defined	Not Defined	Standard
cscf	200-msgrsptx	INT64	Incremental	active	Total number of 200OK Message responses transmitted.	Not Defined	Not Defined	Standard
cscf	202-refrsprx	INT64	Incremental	active	Total number of 202Accepted Refer responses received.	Not Defined	Not Defined	Standard
cscf	202-refrsptx	INT64	Incremental	active	Total number of 202Accepted Refer responses transmitted.	Not Defined	Not Defined	Standard
cscf	202-subrsprx	INT64	Incremental	active	Total number of 202Accepted Subscribe responses received.	Not Defined	Not Defined	Standard
cscf	202-subrsptx	INT64	Incremental	active	Total number of 202Accepted Subscribe responses transmitted.	Not Defined	Not Defined	Standard
cscf	mchrsprx	INT64	Incremental	active	Total number of Multiple Choices responses received.	Not Defined	Not Defined	Standard
cscf	mchrsptx	INT64	Incremental	active	Total number of Multiple Choices responses transmitted.	Not Defined	Not Defined	Standard
cscf	mpersprx	INT64	Incremental	active	Total number of Moved Permanently responses received.	Not Defined	Not Defined	Standard
cscf	mpersptx	INT64	Incremental	active	Total number of Moved Permanently responses transmitted.	Not Defined	Not Defined	Standard
cscf	mtersprx	INT64	Incremental	active	Total number of Moved Temporarily responses received.	Not Defined	Not Defined	Standard
cscf	mtersptx	INT64	Incremental	active	Total number of Moved Temporarily responses transmitted.	Not Defined	Not Defined	Standard
cscf	upxrsprx	INT64	Incremental	active	Total number of Use Proxy responses received.	Not Defined	Not Defined	Standard
cscf	upxrsptx	INT64	Incremental	active	Total number of Use Proxy responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	altrsprx	INT64	Incremental	active	Total number of Alternative Service responses received.	Not Defined	Not Defined	Standard
cscf	altrsptx	INT64	Incremental	active	Total number of Alternative Service responses transmitted.	Not Defined	Not Defined	Standard
cscf	brqerrrx	INT64	Incremental	active	Total number of BadRequest errors received.	Not Defined	Not Defined	Standard
cscf	brqerrtx	INT64	Incremental	active	Total number of BadRequest errors transmitted.	Not Defined	Not Defined	Standard
cscf	uauerrrx	INT64	Incremental	active	Total number of UnAuthorized errors received.	Not Defined	Not Defined	Standard
cscf	uauerrtx	INT64	Incremental	active	Total number of UnAuthorized errors transmitted.	Not Defined	Not Defined	Standard
cscf	prerrrx	INT64	Incremental	active	Total number of Payment Required Errors received.	Not Defined	Not Defined	Standard
cscf	prerrtx	INT64	Incremental	active	Total number of Payment Required Errors transmitted.	Not Defined	Not Defined	Standard
cscf	forerrrx	INT64	Incremental	active	Total number of Forbidden errors received.	Not Defined	Not Defined	Standard
cscf	forerrtx	INT64	Incremental	active	Total number of Forbidden errors transmitted.	Not Defined	Not Defined	Standard
cscf	nfderrrx	INT64	Incremental	active	Total number of NotFound errors received.	Not Defined	Not Defined	Standard
cscf	nfderrtx	INT64	Incremental	active	Total number of NotFound errors transmitted.	Not Defined	Not Defined	Standard
cscf	mnaerrrx	INT64	Incremental	active	Total number of MethodNotAllowed errors received.	Not Defined	Not Defined	Standard
cscf	mnaerrtx	INT64	Incremental	active	Total number of MethodNotAllowed errors transmitted.	Not Defined	Not Defined	Standard
cscf	nac406errrx	INT64	Incremental	active	Total number of NotAcceptable(406) errors received.	Not Defined	Not Defined	Standard
cscf	nac406errtx	INT64	Incremental	active	Total number of NotAcceptable(406) errors transmitted.	Not Defined	Not Defined	Standard
cscf	parerrrx	INT64	Incremental	active	Total number of ProxyAuthRequired errors received.	Not Defined	Not Defined	Standard
cscf	parerrtx	INT64	Incremental	active	Total number of ProxyAuthRequired errors transmitted.	Not Defined	Not Defined	Standard
cscf	rtoerrrx	INT64	Incremental	active	Total number of RequestTimeout errors received.	Not Defined	Not Defined	Standard
cscf	rtoerrtx	INT64	Incremental	active	Total number of RequestTimeout errors transmitted.	Not Defined	Not Defined	Standard
cscf	conferrrx	INT64	Incremental	active	Total number of Conflict Errors received.	Not Defined	Not Defined	Standard
cscf	conferrtx	INT64	Incremental	active	Total number of Conflict Errors transmitted.	Not Defined	Not Defined	Standard
cscf	lrerrrx	INT64	Incremental	active	Total number of Length Required Errors received.	Not Defined	Not Defined	Standard
cscf	lrerrtx	INT64	Incremental	active	Total number of Length Required Errors transmitted.	Not Defined	Not Defined	Standard
cscf	gonerrrx	INT64	Incremental	active	Total number of Gone errors received.	Not Defined	Not Defined	Standard
cscf	gonerrtx	INT64	Incremental	active	Total number of Gone errors transmitted.	Not Defined	Not Defined	Standard
cscf	crferrrx	INT64	Incremental	active	Total number of ConditionalRequestFail errors received.	Not Defined	Not Defined	Standard
cscf	crferrtx	INT64	Incremental	active	Total number of ConditionalRequestFail errors transmitted.	Not Defined	Not Defined	Standard
cscf	relerrrx	INT64	Incremental	active	Total number of RequestEntityTooLarge errors received.	Not Defined	Not Defined	Standard
cscf	relerrtx	INT64	Incremental	active	Total number of RequestEntityTooLarge errors transmitted.	Not Defined	Not Defined	Standard
cscf	rulerrrx	INT64	Incremental	active	Total number of RequestURITooLong errors received.	Not Defined	Not Defined	Standard
cscf	rulerrtx	INT64	Incremental	active	Total number of RequestURITooLong errors transmitted.	Not Defined	Not Defined	Standard
cscf	umterrrx	INT64	Incremental	active	Total number of UnsupportedMediaType errors received.	Not Defined	Not Defined	Standard
cscf	umterrtx	INT64	Incremental	active	Total number of UnsupportedMediaType errors transmitted.	Not Defined	Not Defined	Standard
cscf	uuserrrx	INT64	Incremental	active	Total number of Unsupported URI Scheme errors received.	Not Defined	Not Defined	Standard
cscf	uuserrtx	INT64	Incremental	active	Total number of Unsupported URI Scheme errors transmitted.	Not Defined	Not Defined	Standard
cscf	bexerrrx	INT64	Incremental	active	Total number of BadExtension errors received.	Not Defined	Not Defined	Standard
cscf	bexerrtx	INT64	Incremental	active	Total number of BadExtension errors transmitted.	Not Defined	Not Defined	Standard
cscf	exrerrrx	INT64	Incremental	active	Total number of Extension Required errors received.	Not Defined	Not Defined	Standard
cscf	exrerrtx	INT64	Incremental	active	Total number of Extension Required errors transmitted.	Not Defined	Not Defined	Standard
cscf	sitserrrx	INT64	Incremental	active	Total number of Session Interval Too Small errors received.	Not Defined	Not Defined	Standard
cscf	sitserrtx	INT64	Incremental	active	Total number of Session Interval Too Small errors transmitted.	Not Defined	Not Defined	Standard
cscf	fhloerrrx	INT64	Incremental	active	Total number of First Hop Lack Outbound errors received.	Not Defined	Not Defined	Standard
cscf	fhloerrtx	INT64	Incremental	active	Total number of First Hop Lack Outbound errors transmitted.	Not Defined	Not Defined	Standard
cscf	itberrrx	INT64	Incremental	active	Total number of Interval Too Brief errors received.	Not Defined	Not Defined	Standard
cscf	itberrtx	INT64	Incremental	active	Total number of Interval Too Brief errors transmitted.	Not Defined	Not Defined	Standard
cscf	blierrrx	INT64	Incremental	active	Total number of Bad Location Information errors received.	Not Defined	Not Defined	Standard
cscf	blierrtx	INT64	Incremental	active	Total number of Bad Location Information errors transmitted.	Not Defined	Not Defined	Standard
cscf	tnaerrrx	INT64	Incremental	active	Total number of TempNotAvailable errors received.	Not Defined	Not Defined	Standard
cscf	tnaerrtx	INT64	Incremental	active	Total number of TempNotAvailable errors transmitted.	Not Defined	Not Defined	Standard
cscf	tdnerrrx	INT64	Incremental	active	Total number of Transaction Does Not Exist errors received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	tdnerrtx	INT64	Incremental	active	Total number of Transaction Does Not Exist errors transmitted.	Not Defined	Not Defined	Standard
cscf	ldterrrx	INT64	Incremental	active	Total number of LoopDetected errors received.	Not Defined	Not Defined	Standard
cscf	ldterrtx	INT64	Incremental	active	Total number of LoopDetected errors transmitted.	Not Defined	Not Defined	Standard
cscf	tmherrrx	INT64	Incremental	active	Total number of TooManyHops errors received.	Not Defined	Not Defined	Standard
cscf	tmherrtx	INT64	Incremental	active	Total number of TooManyHops errors transmitted.	Not Defined	Not Defined	Standard
cscf	adierrrx	INT64	Incremental	active	Total number of AddrIncomplete errors received.	Not Defined	Not Defined	Standard
cscf	adierrtx	INT64	Incremental	active	Total number of AddrIncomplete errors transmitted.	Not Defined	Not Defined	Standard
cscf	amberrrx	INT64	Incremental	active	Total number of Ambiguous errors received.	Not Defined	Not Defined	Standard
cscf	amberrtx	INT64	Incremental	active	Total number of Ambiguous errors transmitted.	Not Defined	Not Defined	Standard
cscf	bhrerrrx	INT64	Incremental	active	Total number of BusyHere errors received.	Not Defined	Not Defined	Standard
cscf	bhrerrtx	INT64	Incremental	active	Total number of BusyHere errors transmitted.	Not Defined	Not Defined	Standard
cscf	rqcerrrx	INT64	Incremental	active	Total number of RequestCancel errors received.	Not Defined	Not Defined	Standard
cscf	rqcerrtx	INT64	Incremental	active	Total number of RequestCancel errors transmitted.	Not Defined	Not Defined	Standard
cscf	namerrrx	INT64	Incremental	active	Total number of NotAcceptableMedia errors received.	Not Defined	Not Defined	Standard
cscf	namerrtx	INT64	Incremental	active	Total number of NotAcceptableMedia errors transmitted.	Not Defined	Not Defined	Standard
cscf	beerrrx	INT64	Incremental	active	Total number of BusyEverywhere errors received.	Not Defined	Not Defined	Standard
cscf	beerrtx	INT64	Incremental	active	Total number of BusyEverywhere errors transmitted.	Not Defined	Not Defined	Standard
cscf	trperrrx	INT64	Incremental	active	Total number of Request Pending errors received.	Not Defined	Not Defined	Standard
cscf	trperrtx	INT64	Incremental	active	Total number of Request Pending errors transmitted.	Not Defined	Not Defined	Standard
cscf	udperrrx	INT64	Incremental	active	Total number of Undecipherable errors received.	Not Defined	Not Defined	Standard
cscf	udperrtx	INT64	Incremental	active	Total number of Undecipherable errors transmitted.	Not Defined	Not Defined	Standard
cscf	sarerrrx	INT64	Incremental	active	Total number of Sec-agree Required errors received.	Not Defined	Not Defined	Standard
cscf	sarerrtx	INT64	Incremental	active	Total number of Sec-agree Required errors transmitted.	Not Defined	Not Defined	Standard
cscf	ineerrrx	INT64	Incremental	active	Total number of InternalError errors received.	Not Defined	Not Defined	Standard
cscf	ineerrtx	INT64	Incremental	active	Total number of InternalError errors transmitted.	Not Defined	Not Defined	Standard
cscf	nimerrrx	INT64	Incremental	active	Total number of NotImplemented errors received.	Not Defined	Not Defined	Standard
cscf	nimerrtx	INT64	Incremental	active	Total number of NotImplemented errors transmitted.	Not Defined	Not Defined	Standard
cscf	bgterrrx	INT64	Incremental	active	Total number of BadGateway errors received.	Not Defined	Not Defined	Standard
cscf	bgterrtx	INT64	Incremental	active	Total number of BadGateway errors transmitted.	Not Defined	Not Defined	Standard
cscf	suaerrrx	INT64	Incremental	active	Total number of ServiceUnavailable errors received.	Not Defined	Not Defined	Standard
cscf	suaerrtx	INT64	Incremental	active	Total number of ServiceUnavailable errors transmitted.	Not Defined	Not Defined	Standard
cscf	gtterrrx	INT64	Incremental	active	Total number of GatewayTimeout errors received.	Not Defined	Not Defined	Standard
cscf	gtterrtx	INT64	Incremental	active	Total number of GatewayTimeout errors transmitted.	Not Defined	Not Defined	Standard
cscf	bsverrrx	INT64	Incremental	active	Total number of BadSipVersion errors received.	Not Defined	Not Defined	Standard
cscf	bsverrtx	INT64	Incremental	active	Total number of BadSipVersion errors transmitted.	Not Defined	Not Defined	Standard
cscf	mtlerrrx	INT64	Incremental	active	Total number of Message Too Large errors received.	Not Defined	Not Defined	Standard
cscf	mtlerrtx	INT64	Incremental	active	Total number of Message Too Large errors transmitted.	Not Defined	Not Defined	Standard
cscf	pcferrrx	INT64	Incremental	active	Total number of Precondition Failure errors received.	Not Defined	Not Defined	Standard
cscf	pcferrtx	INT64	Incremental	active	Total number of Precondition Failure errors transmitted.	Not Defined	Not Defined	Standard
cscf	bewerrrx	INT64	Incremental	active	Total number of BusyEverywhere errors received.	Not Defined	Not Defined	Standard
cscf	bewerrtx	INT64	Incremental	active	Total number of BusyEverywhere errors transmitted.	Not Defined	Not Defined	Standard
cscf	decerrrx	INT64	Incremental	active	Total number of Decline errors received.	Not Defined	Not Defined	Standard
cscf	decerrtx	INT64	Incremental	active	Total number of Decline errors transmitted.	Not Defined	Not Defined	Standard
cscf	neaerrrx	INT64	Incremental	active	Total number of NotExistAnywhere errors received.	Not Defined	Not Defined	Standard
cscf	neaerrtx	INT64	Incremental	active	Total number of NotExistAnywhere errors transmitted.	Not Defined	Not Defined	Standard
cscf	nac606errrx	INT64	Incremental	active	Total number of NotAcceptable(606) errors received.	Not Defined	Not Defined	Standard
cscf	nac606errtx	INT64	Incremental	active	Total number of NotAcceptable(606) errors transmitted.	Not Defined	Not Defined	Standard
cscf	callsetuptime	INT64	Incremental	active	Sum of setup times For calculating average call setup time.	Not Defined	Not Defined	Standard
cscf	callscounted	INT64	Incremental	active	Total number of calls, for which setup time is added in setup times.	Not Defined	Not Defined	Standard
cscf	tot-sip-invalid-msgs-rx	INT64	Incremental	active	Total number of SIP Invalid Messages received.	Not Defined	Not Defined	Standard
cscf	tot-sip-msgs-rx	INT64	Incremental	active	Total number of SIP Messages received.	Not Defined	Not Defined	Standard
cscf	tot-sip-msgs-tx	INT64	Incremental	active	Total number of SIP Messages transmitted.	Not Defined	Not Defined	Standard
cscf	tot-sip-msgs-proc	INT64	Incremental	active	Total number of SIP Messages Processed.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	regreqretx	INT64	Incremental	active	Total number of REGISTER Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	invreqretx	INT64	Incremental	active	Total number of INVITE Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	byereqretx	INT64	Incremental	active	Total number of BYE Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	cancreqretx	INT64	Incremental	active	Total number of CANCEL Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	ackreqretx	INT64	Incremental	active	Total number of ACK Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	notifyreqretx	INT64	Incremental	active	Total number of NOTIFY Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	publishreqretx	INT64	Incremental	active	Total number of PUBLISH Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	referreqretx	INT64	Incremental	active	Total number of REFER Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	subscribereqretx	INT64	Incremental	active	Total number of SUBSCRIBE Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	req-retx	INT64	Incremental	active	Total number of SIP Requests Re-transmitted.	Not Defined	Not Defined	Standard
cscf	resp-retx	INT64	Incremental	active	Total number of SIP Responses Re-transmitted.	Not Defined	Not Defined	Standard
cscf	reqresp-retx	INT64	Incremental	active	Total number of SIP messages Re-transmitted.	Not Defined	Not Defined	Standard
cscf	calldur-lt-01sec	INT32	Incremental	active	Total calls with duration less than 01 sec.	Not Defined	Not Defined	Standard
cscf	calldur-01to10sec	INT32	Incremental	active	Total calls with duration between 01 and 10 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-10to30sec	INT32	Incremental	active	Total calls with duration between 10 and 30 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-30to60sec	INT32	Incremental	active	Total calls with duration between 30 and 60 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-60to90sec	INT32	Incremental	active	Total calls with duration between 60 and 90 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-90to120sec	INT32	Incremental	active	Total calls with duration between 90 and 120 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-120to150sec	INT32	Incremental	active	Total calls with duration between 120 and 150 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-150to180sec	INT32	Incremental	active	Total calls with duration between 150 and 180 seconds.	Not Defined	Not Defined	Standard
cscf	calldur-03to04min	INT32	Incremental	active	Total calls with duration between 03 and 04 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-04to05min	INT32	Incremental	active	Total calls with duration between 04 and 05 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-05to06min	INT32	Incremental	active	Total calls with duration between 05 and 06 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-06to07min	INT32	Incremental	active	Total calls with duration between 06 and 07 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-07to08min	INT32	Incremental	active	Total calls with duration between 07 and 08 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-08to09min	INT32	Incremental	active	Total calls with duration between 08 and 09 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-09to11min	INT32	Incremental	active	Total calls with duration between 09 and 11 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-11to13min	INT32	Incremental	active	Total calls with duration between 11 and 13 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-13to15min	INT32	Incremental	active	Total calls with duration between 13 and 15 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-15to17min	INT32	Incremental	active	Total calls with duration between 15 and 17 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-17to19min	INT32	Incremental	active	Total calls with duration between 17 and 19 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-19to21min	INT32	Incremental	active	Total calls with duration between 19 and 21 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-21to23min	INT32	Incremental	active	Total calls with duration between 21 and 23 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-23to25min	INT32	Incremental	active	Total calls with duration between 23 and 25 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-25to27min	INT32	Incremental	active	Total calls with duration between 25 and 27 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-27to29min	INT32	Incremental	active	Total calls with duration between 27 and 29 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-29to60min	INT32	Incremental	active	Total calls with duration between 29 and 60 minutes.	Not Defined	Not Defined	Standard
cscf	calldur-gt-60min	INT32	Incremental	active	Total calls with duration more than 60 minutes.	Not Defined	Not Defined	Standard
cscf	subsetup<200ms	INT32	Incremental	active	Total number of subscriptions setup in less than 200 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup200-400ms	INT32	Incremental	active	Total number of subscriptions setup in 200 to 400 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup400-600ms	INT32	Incremental	active	Total number of subscriptions setup in 400 to 600 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup600-800ms	INT32	Incremental	active	Total number of subscriptions setup in 600 to 800 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup800-1000ms	INT32	Incremental	active	Total number of subscriptions setup in 800 to 1000 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup1000-1200ms	INT32	Incremental	active	Total number of subscriptions setup in 1000 to 1200 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup1200-1400ms	INT32	Incremental	active	Total number of subscriptions setup in 1200 to 1400 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup1400-1600ms	INT32	Incremental	active	Total number of subscriptions setup in 1400 to 1600 milliseconds.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	subsetup1600-1800ms	INT32	Incremental	active	Total number of subscriptions setup in 1600 to 1800 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup1800-2000ms	INT32	Incremental	active	Total number of subscriptions setup in 1800 to 2000 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup2000-2200ms	INT32	Incremental	active	Total number of subscriptions setup in 2000 to 2200 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup2200-2400ms	INT32	Incremental	active	Total number of subscriptions setup in 2200 to 2400 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup2400-2600ms	INT32	Incremental	active	Total number of subscriptions setup in 2400 to 2600 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup2600-2800ms	INT32	Incremental	active	Total number of subscriptions setup in 2600 to 2800 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup2800-3000ms	INT32	Incremental	active	Total number of subscriptions setup in 2800 to 3000 milliseconds.	Not Defined	Not Defined	Standard
cscf	subsetup3-5sec	INT32	Incremental	active	Total number of subscriptions setup in 3 to 5 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup5-7sec	INT32	Incremental	active	Total number of subscriptions setup in 5 to 7 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup7-9sec	INT32	Incremental	active	Total number of subscriptions setup in 7 to 9 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup9-11sec	INT32	Incremental	active	Total number of subscriptions setup in 9 to 11 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup11-13sec	INT32	Incremental	active	Total number of subscriptions setup in 11 to 13 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup13-15sec	INT32	Incremental	active	Total number of subscriptions setup in 13 to 15 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup15-17sec	INT32	Incremental	active	Total number of subscriptions setup in 15 to 17 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup17-19sec	INT32	Incremental	active	Total number of subscriptions setup in 17 to 19 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup19-21sec	INT32	Incremental	active	Total number of subscriptions setup in 19 to 21 seconds.	Not Defined	Not Defined	Standard
cscf	subsetup>21sec	INT32	Incremental	active	Total number of subscriptions setup in more than 21 seconds.	Not Defined	Not Defined	Standard
cscf	subdur<1hr	INT32	Incremental	active	Total number of subscription duration less than 1 hour.	Not Defined	Not Defined	Standard
cscf	subdur1-2hr	INT32	Incremental	active	Total number of subscription duration 1 to 2 hours.	Not Defined	Not Defined	Standard
cscf	subdur2-3hr	INT32	Incremental	active	Total number of subscription duration 2 to 3 hours.	Not Defined	Not Defined	Standard
cscf	subdur3-4hr	INT32	Incremental	active	Total number of subscription duration 3 to 4 hours.	Not Defined	Not Defined	Standard
cscf	subdur4-5hr	INT32	Incremental	active	Total number of subscription duration 4 to 5 hours.	Not Defined	Not Defined	Standard
cscf	subdur5-6hr	INT32	Incremental	active	Total number of subscription duration 5 to 6 hours.	Not Defined	Not Defined	Standard
cscf	subdur6-7hr	INT32	Incremental	active	Total number of subscription duration 6 to 7 hours.	Not Defined	Not Defined	Standard
cscf	subdur7-8hr	INT32	Incremental	active	Total number of subscription duration 7 to 8 hours.	Not Defined	Not Defined	Standard
cscf	subdur8-9hr	INT32	Incremental	active	Total number of subscription duration 8 to 9 hours.	Not Defined	Not Defined	Standard
cscf	subdur9-10hr	INT32	Incremental	active	Total number of subscription duration 9 to 10 hours.	Not Defined	Not Defined	Standard
cscf	subdur>10hr	INT32	Incremental	active	Total number of subscription duration more than 10 hours.	Not Defined	Not Defined	Standard
cscf	curr-reg-subs	INT64	Incremental	active	Total number of currently registered users.	Not Defined	Not Defined	Standard
cscf	active-reg-subs	INT64	Incremental	active	Total number of active registered users.	Not Defined	Not Defined	Standard
cscf	curr-sigcomp-subs	INT64	Incremental	active	Total number of currently registered SIGCOMP users.	Not Defined	Not Defined	Standard
cscf	active-sigcomp-subs	INT64	Incremental	active	Total number of active registered SIGCOMP users.	Not Defined	Not Defined	Standard
cscf	curr-ipsec-subs	INT64	Incremental	active	Total number of currently registered IPSEC users.	Not Defined	Not Defined	Standard
cscf	active-ipsec-subs	INT64	Incremental	active	Total number of active registered IPSEC users.	Not Defined	Not Defined	Standard
cscf	active-voip-subs	INT64	Incremental	active	Active registered VOIP users.	Not Defined	Not Defined	Standard
cscf	curr-presence-subs	INT64	Incremental	active	Total number of currently registered PRESENCE users.	Not Defined	Not Defined	Standard
cscf	active-presence-subs	INT64	Incremental	active	Total number of active registered PRESENCE users.	Not Defined	Not Defined	Standard
cscf	active-im-subs	INT64	Incremental	active	Total number of active registered IM users.	Not Defined	Not Defined	Standard
cscf	dpeca-curr-sessions	INT32	Incremental	active	The total number of DPECA sessions currently active.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sess-init	INT32	Incremental	active	Total number of DPECA sessions initiated by sending AAR Initial Request message.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sess-terminated	INT32	Incremental	active	Total number of terminated DPECA sessions.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sess-failovers	INT32	Incremental	active	Total number of peer-switches attempted.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sess-failover-err	INT32	Incremental	active	Total number of peer-switches failed.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-msg-received	INT32	Incremental	active	Total number of messages received.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-msg-sent	INT32	Incremental	active	Total number of messages sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	dpeca-tot-aar-sent	INT32	Incremental	active	Total number of AAR request messages sent from DPECA module.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaa-received	INT32	Incremental	active	Total number of AAA answer messages received.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-uncorr-aaa	INT32	Incremental	active	Total number of Uncorrelated AAA messages.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-uncorr-sta	INT32	Incremental	active	Total number of Uncorrelated STA messages.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aari-sent	INT32	Incremental	active	Total number of AAR Initial requests sent.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaai-received	INT32	Incremental	active	Total number of AAA answer messages received in response to the AAR-Initial requests.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaai-accepted	INT32	Incremental	active	Total number of AAA messages accepted as successful without any errors.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaai-rejected	INT32	Incremental	active	Total number of AAA messages rejected as erroneous.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaai-timeout	INT32	Incremental	active	Total number of AAA answers to Initial request timed out.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaru-sent	INT32	Incremental	active	Total number of AAR Update messages sent	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaau-received	INT32	Incremental	active	Total number of AAA answer messages received in response to the AAR-Update requests.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaau-timeout	INT32	Incremental	active	Total number of AAA answers to Update request timed out.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-str-sent	INT32	Incremental	active	Total number of STR messages sent.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sta-received	INT32	Incremental	active	Total number of STA messages received.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-sta-timeout	INT32	Incremental	active	Total number of STA answers timed out.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-asr-received	INT32	Incremental	active	Total number of ASR messages received.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-asa-sent	INT32	Incremental	active	Total number of ASA messages sent.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-rar-received	INT32	Incremental	active	Total number of RAR messages received.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-raa-sent	INT32	Incremental	active	Total number of RAA messages sent.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-protocol-err	INT32	Incremental	active	Total number of diameter protocol errors that were received from PCRF.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-aaa-parse-err	INT32	Incremental	active	Total number of AAA parse-errors.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-unk-sess-req	INT32	Incremental	active	Total number of unknown session requests.	Not Defined	Not Defined	Standard
cscf	dpeca-tot-unk-cmd-codes	INT32	Incremental	active	Total number of unknown command codes (unsupported command codes).	Not Defined	Not Defined	Standard
cscf	dpeca-tc-logout	INT32	Incremental	active	Total number of sessions terminated as the user logged out.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-service-not-prov	INT32	Incremental	active	Total number of sessions terminated as the requested service is not provided.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-bad-ans	INT32	Incremental	active	Total number of sessions terminated with a bad answer.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-administrative	INT32	Incremental	active	Total number of sessions terminated administratively.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-link-broken	INT32	Incremental	active	Total number of sessions terminated due to link broken.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-auth-expired	INT32	Incremental	active	Total number of sessions terminated due to auth-expiry.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-user-moved	INT32	Incremental	active	Total number of sessions terminated as the user-moved.	Not Defined	Not Defined	Standard
cscf	dpeca-tc-session-timeout	INT32	Incremental	active	Total number of sessions terminated due to session timeout.	Not Defined	Not Defined	Standard
cscf	dpeca-auth-rejected	INT32	Incremental	active	Total number of authorization rejected errors.	Not Defined	Not Defined	Standard
cscf	dpeca-other-errors	INT32	Incremental	active	Total number of other miscellaneous DPECA errors.	Not Defined	Not Defined	Standard
cscf	dpeca-exp-res-invalid-service-info	INT32	Incremental	active	Total number of answer messages received with Experimental-Result-Code as 5061 - INVALID_SERVICE_INFORMATION.	Not Defined	Not Defined	Standard
cscf	dpeca-exp-res-filter-restrictions	INT32	Incremental	active	Total number of answer messages received with Experimental-Result-Code as 5062 - FILTER_RESTRICTIONS.	Not Defined	Not Defined	Standard
cscf	dpeca-exp-res-req-service-not-authorized	INT32	Incremental	active	Total number of answer messages received with Experimental-Result-Code as 5063 - REQUESTED_SERVICE_NOT_AUTHORIZED.	Not Defined	Not Defined	Standard
cscf	dpeca-exp-res-duplicated-af-session	INT32	Incremental	active	Total number of answer messages received with Experimental-Result-Code as 5064 - DUPLICATED_AF_SESSION.	Not Defined	Not Defined	Standard
cscf	dpeca-exp-res-ipcan-session-not-avail	INT32	Incremental	active	Total number of answer messages received with Experimental-Result-Code as 5065 - IP_CAN_SESSION_NOT_AVAILABLE	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-att-init-reg	INT64	Incremental	active	Total number of initial registrations received at CSCF. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-3gpp-geran	INT64	Incremental	active	Total number of initial registrations received at CSCF with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-3gpp-utran-fdd	INT64	Incremental	active	Total number of initial registrations received at CSCF with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-3gpp2-1x	INT64	Incremental	active	Total number of initial registrations received at CSCF with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-ieee-80211a	INT64	Incremental	active	Total number of initial registrations received at CSCF with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-ieee-80211b	INT64	Incremental	active	Total number of initial registrations received at CSCF with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-other-at	INT64	Incremental	active	Total number of initial registrations received at CSCF for any other access technology. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg	INT64	Incremental	active	Total number of success responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-3gpp-geran	INT64	Incremental	active	Total number of success responses sent for initial registration with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-3gpp-utran-fdd	INT64	Incremental	active	Total number of success responses sent for initial registration with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-3gpp2-1x	INT64	Incremental	active	Total number of success responses sent for initial registration with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-ieee-80211a	INT64	Incremental	active	Total number of success responses sent for initial registration with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-ieee-80211b	INT64	Incremental	active	Total number of success responses sent for initial registration with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-init-reg-other	INT64	Incremental	active	Total number of success responses sent for initial registration for any other access technologies. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg	INT64	Incremental	active	Total number of failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-init-reg-other	INT64	Incremental	active	Total number of other failure responses sent for initial registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-mean-init-reg-setup	INT32	Incremental	active	Average time (in milliseconds) between the instance REGISTER is received by P-CSCF and 200 response is sent for the REGISTER. The average is reset every 10 minutes. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg	INT64	Incremental	active	Total number of refresh registrations received at CSCF. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-3gpp-geran	INT64	Incremental	active	Total number of refresh registrations received at CSCF with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-3gpp-utran-fdd	INT64	Incremental	active	Total number of refresh registrations received at CSCF with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-3gpp2-1x	INT64	Incremental	active	Total number of refresh registrations received at CSCF with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-ieee-80211a	INT64	Incremental	active	Total number of refresh registrations received at CSCF with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-ieee-80211b	INT64	Incremental	active	Total number of refresh registrations received at CSCF with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-rereg-other-at	INT64	Incremental	active	Total number of refresh registrations received at CSCF for any other access technology. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg	INT64	Incremental	active	Total number of success responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-3gpp-geran	INT64	Incremental	active	Total number of success responses sent for refresh registration with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-3gpp-utran-fdd	INT64	Incremental	active	Total number of success responses sent for refresh registration with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-3gpp2-1x	INT64	Incremental	active	Total number of success responses sent for refresh registration with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-ieee-80211a	INT64	Incremental	active	Total number of success responses sent for refresh registration with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-ieee-80211b	INT64	Incremental	active	Total number of success responses sent for refresh registration with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-rereg-other	INT64	Incremental	active	Total number of success responses sent for refresh registration for any other access technology. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg	INT64	Incremental	active	Total number of failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-fail-rereg-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-rereg-other	INT64	Incremental	active	Total number of other failure responses sent for refresh registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-3gpp-geran	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-3gpp-utran-fdd	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-3gpp2-1x	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-ieee-80211a	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-ieee-80211b	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-ue-other-at	INT64	Incremental	active	Total number of de-registrations received from UE at CSCF for any other access technology. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue	INT64	Incremental	active	Total number of success responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-3gpp-geran	INT64	Incremental	active	Total number of success responses sent for de-registration with access technology 3GPP-GERAN. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-3gpp-utran-fdd	INT64	Incremental	active	Total number of success responses sent for de-registration with access technology 3GPP-UTRAN-FDD. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-3gpp2-1x	INT64	Incremental	active	Total number of success responses sent for de-registration with access technology 3GPP2-1X. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-ieee-80211a	INT64	Incremental	active	Total number of success responses sent for de-registration with access technology IEEE-802.11a. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-ieee-80211b	INT64	Incremental	active	Total number of success responses sent for de-registration with access technology IEEE-802.11b. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-ue-other	INT64	Incremental	active	Total number of success responses sent for de-registration for any other access technology. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue	INT64	Incremental	active	Total number of failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-fail-dereg-ue-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-ue-other	INT64	Incremental	active	Total number of other failure responses sent for de-registration. Applicable only for P-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-hss	INT64	Incremental	active	Total number of de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-hss	INT64	Incremental	active	Total number of success responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss	INT64	Incremental	active	Total number of failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-hss-other	INT64	Incremental	active	Total number of other failure responses for de-registrations initiated by HSS at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-dereg-serv	INT64	Incremental	active	Total number of de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-dereg-serv	INT64	Incremental	active	Total number of success responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv	INT64	Incremental	active	Total number of failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-dereg-serv-other	INT64	Incremental	active	Total number of other failure responses for de-registrations initiated by Service Platform at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-3rdparty-reg	INT64	Incremental	active	Total number of 3rd Party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-succ-3rdparty-reg	INT64	Incremental	active	Total number of success responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg	INT64	Incremental	active	Total number of failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-401	INT64	Incremental	active	Total number of (401 Unauthorized) failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-403	INT64	Incremental	active	Total number of (403 Forbidden) failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-404	INT64	Incremental	active	Total number of (404 Not Found) failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-420	INT64	Incremental	active	Total number of (420 Bad Extension) failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-500	INT64	Incremental	active	Total number of (500 Internal Error) failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-3rdparty-reg-other	INT64	Incremental	active	Total number of other failure responses for 3rd party registrations initiated by S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-uar	INT64	Incremental	active	Total number of user registration status query procedures attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-uaa	INT64	Incremental	active	Total number of success response for user registration status queries attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-uaa	INT64	Incremental	active	Total number of failure response for user registration status queries attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-sar	INT64	Incremental	active	Total number of S-CSCF registration/de-registration notification procedures. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-saa	INT64	Incremental	active	Total number of success responses for S-CSCF registration/de-registration notification procedures. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-saa	INT64	Incremental	active	Total number of failure responses for S-CSCF registration/de-registration notification procedures. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-session	INT64	Incremental	active	Total number of attempted session establishments at CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-session-180	INT64	Incremental	active	Total number of 180 responses for successful session establishments at CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-session-200	INT64	Incremental	active	Total number of 200 responses (without 180 response) for successful session establishments at CSCF.	Not Defined	Not Defined	Standard
cscf	perf-ans-session	INT64	Incremental	active	Total number of 200 responses for session establishments at CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-session	INT64	Incremental	active	Total number of failure responses for session establishments at CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-lir	INT64	Incremental	active	Total number of user location query procedures attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-lia	INT64	Incremental	active	Total number of success responses for user location queries attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-lia	INT64	Incremental	active	Total number of failure responses for user location queries attempted at I-CSCF. Applicable only for I-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-session-frm-oth-domain	INT64	Incremental	active	Total number of session establishments from users of other domains. Applicable only for I-CSCF & S-CSCF.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	perf-frbdn-session-frm-oth-domain	INT64	Incremental	active	Total number of forbidden sessions for session establishments from users of other domains. Applicable only for I-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-session-to-oth-domain	INT64	Incremental	active	Total number of session establishments to users of other domains. Applicable only for I-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-frbdn-session-to-oth-domain	INT64	Incremental	active	Total number of forbidden sessions for session establishments to users of other domains. Applicable only for I-CSCF & S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-init-reg-visited	INT64	Incremental	active	Total number of initial registrations of visiting users from other IMS network domains. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-frbdn-init-reg-visited	INT64	Incremental	active	Total number of forbidden messages sent for the visiting users. Applicable only for P-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-rmg-users-out	INT64	Incremental	active	Total number of roaming users to other network domains. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-mar	INT64	Incremental	active	Total number of Multimedia-Authentication-Requests attempted. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-maa	INT64	Incremental	active	Total number of successful Multimedia-Authentication-Answers received. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-maa	INT64	Incremental	active	Total number of failure Multimedia-Authentication-Answers received. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-ppr	INT64	Incremental	active	Total number of HSS-initiated user profile updates attempted. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-ppa	INT64	Incremental	active	Total number of success responses for HSS-initiated user profile update. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-ppa	INT64	Incremental	active	Total number of failure responses for HSS-initiated user profile update. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-subscribe	INT64	Incremental	active	Total number of subscription procedures attempted at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-subscribe	INT64	Incremental	active	Total number of success responses for subscriptions. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-subscribe	INT64	Incremental	active	Total number of failure responses for subscriptions. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-att-notify	INT64	Incremental	active	Total number of notify procedures attempted at S-CSCF. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-succ-notify	INT64	Incremental	active	Total number of success responses for notify. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	perf-fail-notify	INT64	Incremental	active	Total number of failure responses for notify. Applicable only for S-CSCF.	Not Defined	Not Defined	Standard
cscf	eatf-request	INT64	Incremental	active	Total number of Emergency call Access Transfer (EATF) requests.	Not Defined	Not Defined	Standard
cscf	eatf-success	INT64	Incremental	active	Total number of Emergency call Access Transfer (EATF) successes.	Not Defined	Not Defined	Standard
cscf	eatf-failures	INT64	Incremental	active	Total number of Emergency call Access Transfer (EATF) failures.	Not Defined	Not Defined	Standard
cscf	eatf-fail-480	INT64	Incremental	active	Total number of 480 responses received.	Not Defined	Not Defined	Standard
cscf	eatf-fail-488	INT64	Incremental	active	Total number of 488 responses received.	Not Defined	Not Defined	Standard
cscf	eatf-fail-4XX	INT64	Incremental	active	Total number of 4XX responses received.	Not Defined	Not Defined	Standard
cscf	eatf-fail-500	INT64	Incremental	active	Total number of 500 responses received.	Not Defined	Not Defined	Standard
cscf	eatf-fail-5XX	INT64	Incremental	active	Total number of 5XX responses received.	Not Defined	Not Defined	Standard
cscf	eatf-fail-internal	INT64	Incremental	active	Total number of internal error responses received.	Not Defined	Not Defined	Standard
cscf	de2a-session-init	INT32	Incremental	active	Total number of DE2A sessions initiated by sending UDR message.	Not Defined	Not Defined	Standard
cscf	de2a-session-active	INT32	Incremental	active	Total number of DE2A sessions currently active.	Not Defined	Not Defined	Standard
cscf	de2a-udr-sent	INT32	Incremental	active	Total number UDR messages sent.	Not Defined	Not Defined	Standard
cscf	de2a-uda-received	INT32	Incremental	active	Total number of UDA messages received	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscf	de2a-uda-err-3xxx	INT32	Incremental	active	Total number of messages with protocol errors.	Not Defined	Not Defined	Standard
cscf	de2a-uda-parse-err	INT32	Incremental	active	Total number of bad UDA messages received.	Not Defined	Not Defined	Standard
cscf	de2a-udr-err	INT32	Incremental	active	Total number of UDR send errors.	Not Defined	Not Defined	Standard
cscf	total-unsup-volte-saa-attempt	INT64	Incremental	active	Total number of unsupported VoLTE SAR attempts.	Not Defined	Not Defined	Standard
cscf	total-unsup-volte-reg-attempt	INT64	Incremental	active	Total number of unsupported VoLTE Reg attempts.	Not Defined	Not Defined	Standard
cscf	total-unsup-volte-reg-success	INT64	Incremental	active	Total number of unsupported VoLTE registration successes.	Not Defined	Not Defined	Standard
cscf	total-unsup-volte-reg-failure	INT64	Incremental	active	Total number of unsupported VoLTE registration failures.	Not Defined	Not Defined	Standard
pdg	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pdg	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PDG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pdg	svcname	STRING	Primary-key	active	Internal number that uniquely identifies an interface.	Configuration	Per PDG Service	Standard
pdg	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Generated During System Startup	Per PDG Service	Standard
pdg	bindaddress	STRING	Primary-key	active	The IP address bound to this PDG service.	Not Defined	Not Defined	Standard
pdg	state	STRING	Primary-key	active	The current state of this service.	Not Defined	Not Defined	Standard
pdg	sess-ttlcursess	INT32	Gauge	active	Number of total current sessions. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-curact	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curdorm	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curactipv4	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curdormipv4	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curactipv6	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curdormipv6	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curdiripipv4	INT32	Gauge	active	Number of current direct IP IPv4 sessions. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-curdiripipv6	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-curpdgpmipipv4	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-curttgipv4	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-curttgipv6	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-ttldiripipv4	INT32	Gauge	active	Total number of direct IP IPv4 sessions. This variable is proprietary.	Increments upon successful IPv4 PDG mode call setup.	IPSec/SSL.	Standard
pdg	sess-ttlttgipv4	INT32	Incremental	active	Total number of TTG IPv4 sessions. This variable is proprietary.	Increments upon successful IPv4 TTG mode call setup.	IPSec/SSL.	Standard
pdg	sess-diripipv4succ	INT32	Incremental	active	Number of direct IP IPv4 successful sessions. This variable is proprietary.	Increments upon successful IPv4 PDG mode call setup.	IPSec/SSL.	Standard
pdg	sess-diripipv6succ	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-diripipv4attempt	INT32	Incremental	active	Number of direct IP IPv4 attempted sessions. This variable is proprietary.	Increments upon receiving an IKE_INIT message from the UE in IPsec and a TCP SYN message from the UE in SSL.	IPSec/SSL.	Standard
pdg	sess-diripipv6attempt	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-diripipv4attemptfail	INT32	Incremental	active	Number of direct IP IPv4 attempted sessions that failed. This variable is proprietary.	Increments upon a session setup timeout and authentication failure scenario in PDG mode IPv4 call setup.	IPSec/SSL.	Standard
pdg	sess-diripipv6attemptfail	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-pdgpmipipv4succ	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-pdgpmipipv4attempt	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-pdgpmipipv4attemptfail	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-ttgipv4succ	INT32	Incremental	active	Number of direct TTG IPv4 successful sessions. This variable is proprietary.	Increments upon a successful IPv4 TTG mode call setup.	IPSec/SSL.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	sess-ttgipv6succ	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-ttgipv4attempt	INT32	Incremental	active	Number of direct TTG IPv4 attempted sessions. This variable is proprietary.	Increments upon receiving an IKE_INIT message from the UE in IPsec and a TCP SYN message from the UE in SSL TTG mode.	IPSec/SSL.	Standard
pdg	sess-ttgipv6attempt	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-ttgipv4attemptfail	INT32	Incremental	active	Number of direct TTG IPv4 attempted sessions that failed. This variable is proprietary.	Increments upon a session setup timeout and authentication failure scenario in PDG mode IPv4 call setup.	IPSec/SSL.	Standard
pdg	sess-ttgipv6attemptfail	INT32	Gauge	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlsetup	INT32	Incremental	active	The total sessions setup per service.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlattempt	INT32	Incremental	active	Total number of session attempts.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlattemptfail	INT32	Incremental	active	Total number of session attempts that failed.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttldisc	INT32	Incremental	active	Total number of sessions disconnected.	Increments after call is up during re-authentication failure (IPSec only) and the SSL or IPSec tunnel goes down. This variable is proprietary.	IPSec/SSL	Standard
pdg	sess-ttldisclocal	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-ttldiscremote	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-discbeforeconn	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
pdg	sess-ttlfastreauthsucc	INT32	Incremental	active	Total fast re-authentication successes. This variable is proprietary.	Increments upon re-authetication success scenario. Includes both fast re-authentication and pseudoname re-authentication.	IPSec.	Standard
pdg	sess-ttlfastreauthattempt	INT32	Incremental	active	Total fast re-authentication attempts. This variable is proprietary.	Increments upon receiving the re-auth ID in the IKE-AUTH message from the UE. Includes both fast re-authentication and pseudoname re-authentication.	IPSec.	Standard
pdg	sess-ttlfastreauthattemptfail	INT32	Incremental	active	Total fast re-authentication attempts that failed. This variable is proprietary.	Increments upon a re-authentication success scenario from the AAA server. Includes both fast re-authentication and pseudoname re-authentication.	IPSec.	Standard
pdg	sess-ttlreauthorizesucc	INT32	Gauge	active	Total reauthorization attempts that succeeded. This variable is proprietary.	Increments upon receiving an authorize success message from the AAA server.	IPSec.	Standard
pdg	sess-ttlreauthorizeattempt	INT32	Gauge	active	Total reauthorization attempts. This variable is proprietary.	Increments upon sending an authorize request message to the AAA server.	IPSec.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	sess-ttlreauthorizeattemptfail	INT32	Gauge	active	Total reauthorization attempts that failed. This variable is proprietary.	Increments upon an authorization failure with the AAA server or if the IPsec tunnel goes down during authorization.	IPSec.	Standard
pdg	sess-ttlprimaryaaasucc	INT32	Gauge	active	Total primary AAA sessions that succeeded. This variable is proprietary.	Increments upon receiving an access accept message from the AAA server. (Increments only during primary authentication if multiple authentication is supported in IPSec).	IPSec/SSL.	Standard
pdg	sess-ttlprimaryaaaattempt	INT32	Gauge	active	Total primary AAA sessions attempted. This variable is proprietary.	Increments upon receiving an IKE -AUTH message from the UE in IPSec and an MT-AUTH message from the UE in SSL.	IPSec/SSL.	Standard
pdg	sess-ttlprimaryaaaattemptfail	INT32	Gauge	active	Total primary AAA sessions that failed. This variable is proprietary.	Increments on an authentication failure and if the SSL or IPSec tunnel goes down during authentication.	IPSec/SSL.	Standard
pdg	sess-ttlexternalaaasucc	INT32	Gauge	active	Total external AAA sessions that succeeded. This variable is proprietary.	Increments upon receiving an authentication success message from the AAA server in a multiple authentication scenario.	IPSec.	Standard
pdg	sess-ttlexternalaaaattempt	INT32	Gauge	active	Total external AAA sessions that attempted. This variable is proprietary.	Increments upon receiving an IKE-AUTH (ANOTHER-AUTH-FOLLOWS) message from the UE in a multiple authentication scenario.	IPSec.	Standard
pdg	sess-ttlexternalaaaattemptfail	INT32	Gauge	active	Total external AAA sessions that failed. This variable is proprietary.	Increments upon receiving an authentication failure from the AAA server or an IPsec tunnel tear down in a multiple authentication scenario.	IPSec.	Standard
pdg	sess-ttleapauthsucc	INT32	Gauge	active	Total of successful EAP authorizations. This variable is proprietary.	Increments upon receiving an authentication success message from the AAA server for the second phase authentication using EAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard
pdg	sess-ttleapauthfail	INT32	Gauge	active	Total of failed EAP authorizations. This variable is proprietary.	Increments upon receiving an authentication failure message from the AAA server for the second phase authentication using EAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	sess-ttlpapauthsucc	INT32	Gauge	active	Total of successful PAP authorizations. This variable is proprietary.	Increments upon receiving an authentication success message from the AAA server for the second phase authentication using PAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard
pdg	sess-ttlpapauthfail	INT32	Gauge	active	Total of failed PAP authorizations. This variable is proprietary.	Increments upon receiving an authentication failure message from the AAA server for the second phase authentication using PAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard
pdg	sess-ttlchapauthsucc	INT32	Gauge	active	Total of successful CHAP authorizations. This variable is proprietary.	Increments upon receiving an authentication success message from the AAA server for the second phase authentication using CHAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard
pdg	sess-ttlchapauthfail	INT32	Gauge	active	Total of failed CHAP authorizations. This variable is proprietary.	Increments upon receiving an authentication failure message from the AAA server for the second phase authentication using CHAP. (Applicable only in a multiple authentication scenario.)	IPSec.	Standard
pdg	sess-discremote	INT32	Gauge	active	Number of sessions terminated by a remote disconnect. This variable is proprietary.	A TCP failure scenario in SSL PDG and SSL TTG after the call is in the CONNECTED state. A UE-initiated session disconnect in IPSec PDG and IPSec TTG after the call is in the CONNECTED state.	IPSec/SSL.	Standard
pdg	sess-discadmin	INT32	Incremental	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	sess-discidletimeout	INT32	Incremental	active	Number of sessions terminated because of idle timer timeout. Idle means that there is no activity from the user side.	Not Defined	IPSec/SSL	Standard
pdg	sess-discabstimeout	INT32	Incremental	active	Number of sessions terminated because of absolute timeout, which is the maximum time allowed for the session.	Not Defined	IPSec/SSL	Standard
pdg	sess-disclongdur	INT32	Incremental	active	Number of sessions terminated because of long duration timer timeout, which is the maximum time a session can be up, if the absolute timeout is not configured.	Not Defined	IPSec/SSL	Standard
pdg	sess-discsesssetuptimeout	INT32	Incremental	active	Number of sessions terminated because of Session Manager session setup timeout.	Not Defined	IPSec/SSL	Standard
pdg	sess-discnonexistpcrf	INT32	Incremental	active	Number of sessions terminated because of non-existence of PCRF.	Not Defined	IPSec/SSL	Standard
pdg	sess-discnoresource	INT32	Incremental	active	Number of sessions terminated because of no resources.Number of sessions terminated because of no resources. This can be from lack of memory or CPU resources, NPU-based flows, a session limit based on the license, etc.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	sess-discauthfail	INT32	Incremental	active	Number of sessions terminated because of AAA authentication failure.	Not Defined	IPSec/SSL	Standard
pdg	sess-discreauthfail	INT32	Gauge	active	Number of sessions terminated because of a session re-authetication failure. This variable is proprietary.	Incremented for all AAA failures during fast re-authentication or pseudonym re-authentication.	IPSec.	Standard
pdg	sess-discflowaddfail	INT32	Incremental	active	Number of sessions terminated because of flow add failure.	Not Defined	IPSec/SSL	Standard
pdg	sess-discinvdestctx	INT32	Incremental	active	Number of sessions terminated because of an invalid destination context, when the destination context for the subscriber is not found or is not defined.	Not Defined	IPSec/SSL	Standard
pdg	sess-discsourceviol	INT32	Incremental	active	Number of sessions terminated because of source IP address violation.	Not Defined	IPSec/SSL	Standard
pdg	sess-discgtp	INT32	Incremental	active	Number of sessions terminated because of a GTP failure. This variable is proprietary.	Incremented for all GTP path failures or DPC requests from the GGSN. Availability: IPSec/SSL (TTG only).	IPSec/SSL (TTG only).	Standard
pdg	sess-discdupreq	INT32	Incremental	active	Number of sessions terminated because of a duplicated request.	Not Defined	IPSec/SSL	Standard
pdg	sess-discaddrfail	INT32	Incremental	active	Number of sessions terminated because of an address allocation failure.	Not Defined	IPSec/SSL	Standard
pdg	sess-discmisc	INT32	Incremental	active	Number of sessions terminated for miscellaneous reasons, which is disconnection for any reason other than the reasons defined above.	Not Defined	IPSec/SSL	Standard
pdg	sess-attemptfaildiscremote	INT32	Gauge	active	Number of sessions terminated by a Session Attempt Failed disconnect reason due to a remote disconnect.	A TCP failure scenario in SSL PDG and SSL TTG before the call is in the CONNECTED state. A UE-initiated session disconnect in IPSec PDG and IPSec TTG before the call is in the CONNECTED state.	IPSec/SSL.	Standard
pdg	sess-attemptfaildiscadmin	INT32	Gauge	active	Number of sessions terminated by a Session Attempt Failed disconnect reason due to an admin disconnect. This variable is proprietary.	Incremented for all session setups that failed due to an admin disconnect before the session is in a CONNECTED state.	IPSec/SSL.	Standard
pdg	sess-attemptfaildiscgtp	INT32	Gauge	active	Number of session attempts failed because of GTP failure. This variable is proprietary.	Incremented for all session setups failed due to CPC failure/timeout. Availability: IPSec/SSL (TTG only).	IPSec/SSL (TTG only).	Standard
pdg	sess-attemptfaildiscdupreq	INT32	Gauge	active	Number of session attempts failed because of duplicate requests. This variable is proprietary.	Incremented on receiving a new call when a previous call exists in the CONNECTED state with the same IMSI and APN on the same Session Manager. When this occurs, the original call is cleared. Availability: IPSec/SSL (TTG only).	IPSec/SSL (TTG only).	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	sess-attemptfaildiscmisc	INT32	Gauge	active	Number of session attempts failed because of miscellaneous reasons. This variable is proprietary.	Incremented for all session setup failures due to SSL failures (for example, handshake failures, ssl-alert, ssl-bad-message), or an unknown APN case in which the TTG is unable to resolve the APN and all remaining disconnect reasons before the call is in the CONNECTED state.	IPSec/SSL.	Standard
pdg	sess-ttlbytessent	INT32	Incremental	active	Total number of bytes sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlbytesrcvd	INT32	Incremental	active	Total number of bytes received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlpktsent	INT32	Incremental	active	Total number of packets sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlpktrcvd	INT32	Incremental	active	Total number of packets received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	sess-ttlpktviolations	INT32	Gauge	active	Total number of packet violations. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages received from the EAP server in pass-through mode.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxsuccsrvrpassthru	INT32	Incremental	active	Total number of EAP-Success messages received from the EAP server in pass-through mode.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxfailsrvrpassthru	INT32	Incremental	active	Total number of EAP-Failure messages received from the EAP server in pass-through mode.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxchalsrvrpassthru	INT32	Incremental	active	Total number of EAP challenge messages sent to the EAP server in pass-through mode.	Not Defined	IPSec/SSL	Standard
pdg	eap-txttlsrv	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	eap-txinitrequest	INT32	Incremental	active	Total number of EAP request messages forwarded to the EAP server for initial request. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	eap-txreqfwd	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server for forward request. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxmobilepassthru	INT32	Incremental	active	Total number of EAP messages received from mobile clients in pass-through mode.	Not Defined	IPSec/SSL	Standard
pdg	eap-rxmobilediscarded	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server that were discarded. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txdatabyteuplink	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-databyteuplinkdropped	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-uldroppedd-nonconnectedstate	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped due to non-connected state. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-uldroppedd-transstackbuffoverflow	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped due to transport stack buffer over flow. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-uldroppedd-incorrectdestip	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped due to incorrect destination IP address. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-uldroppedd-transtackfailed	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped due to transport stack failed to send. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-uldroppedd-sessnotfoundforsockid	INT64	Incremental	active	SSL micro-tunneling: Uplink data bytes dropped due to session not found for sock-id. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txdatabytedownlink	INT64	Incremental	active	SSL micro-tunneling: Downlink data bytes sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlopenreq	INT32	Incremental	active	SSL micro-tunneling: Total OPEN requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-rxopenreqprocessed	INT32	Incremental	active	SSL micro-tunneling: OPEN requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxopenreqdropped	INT32	Incremental	active	SSL micro-tunneling: OPEN requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlopenresp	INT32	Incremental	active	SSL micro-tunneling: Total OPEN responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txopenrespaccept	INT32	Incremental	active	SSL micro-tunneling: OPEN responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txopenresprej	INT32	Incremental	active	SSL micro-tunneling: OPEN responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxopenresp	INT32	Incremental	active	SSL micro-tunneling: OPEN responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlnamreq	INT32	Incremental	active	SSL micro-tunneling: Total NAM requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxnamreqprocessed	INT32	Incremental	active	SSL micro-tunneling: NAM requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxnamreqdropped	INT32	Incremental	active	SSL micro-tunneling: NAM requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlnamresp	INT32	Incremental	active	SSL micro-tunneling: Total NAM responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txnamrespaccept	INT32	Incremental	active	SSL micro-tunneling: NAM responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txnamresprej	INT32	Incremental	active	SSL micro-tunneling: NAM responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxnamresp	INT32	Incremental	active	SSL micro-tunneling: NAM responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlauthreq	INT32	Incremental	active	SSL micro-tunneling: Total AUTH requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxauthreqprocessed	INT32	Incremental	active	SSL micro-tunneling: AUTH requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxauthreqdropped	INT32	Incremental	active	SSL micro-tunneling: AUTH requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlauthresp	INT32	Incremental	active	SSL micro-tunneling: Total AUTH responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txauthrespaccept	INT32	Incremental	active	SSL micro-tunneling: AUTH responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txauthresprej	INT32	Incremental	active	SSL micro-tunneling: AUTH responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxauthresp	INT32	Incremental	active	SSL micro-tunneling: AUTH responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlrecvreq	INT32	Incremental	active	SSL micro-tunneling: Total RECV requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxrecvreqprocessed	INT32	Incremental	active	SSL micro-tunneling: RECV requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxrecvreqdropped	INT32	Incremental	active	SSL micro-tunneling: RECV requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlrecvresp	INT32	Incremental	active	SSL micro-tunneling: Total RECV responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txrecvrespaccept	INT32	Incremental	active	SSL micro-tunneling: RECV responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txrecvresprej	INT32	Incremental	active	SSL micro-tunneling: RECV responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxrecvresp	INT32	Incremental	active	SSL micro-tunneling: RECV responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-rxttlclosereq	INT32	Incremental	active	SSL micro-tunneling: Total CLOSE requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxclosereqprocessed	INT32	Incremental	active	SSL micro-tunneling: CLOSE requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxclosereqdropped	INT32	Incremental	active	SSL micro-tunneling: CLOSE requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlclosereq	INT32	Incremental	active	SSL micro-tunneling: Total CLOSE requests sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txclosereqdispatch	INT32	Incremental	active	SSL micro-tunneling: CLOSE requests dispatched. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlcloseresp	INT32	Incremental	active	SSL micro-tunneling: Total CLOSE responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxcloserespaccept	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxcloseresprej	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxcloserespdropped	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlcloseresp	INT32	Incremental	active	SSL micro-tunneling: Total CLOSE responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txcloserespaccept	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txcloserespaccept	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txcloseresprej	INT32	Incremental	active	SSL micro-tunneling: CLOSE responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlsendreq	INT32	Incremental	active	SSL micro-tunneling: Total SEND requests received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxsendreqprocessed	INT32	Incremental	active	SSL micro-tunneling: SEND requests processed. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxsendreqdropped	INT32	Incremental	active	SSL micro-tunneling: SEND requests dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlsendreq	INT32	Incremental	active	SSL micro-tunneling: Total SEND requests sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txsendreqdispatch	INT32	Incremental	active	SSL micro-tunneling: SEND requests dispatched. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxttlsendresp	INT32	Incremental	active	SSL micro-tunneling: Total SEND responses received. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxsendrespaccept	INT32	Incremental	active	SSL micro-tunneling: SEND responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxsendresprej	INT32	Incremental	active	SSL micro-tunneling: SEND responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-rxsendrespdropped	INT32	Incremental	active	SSL micro-tunneling: SEND responses dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txttlsendresp	INT32	Incremental	active	SSL micro-tunneling: Total SEND responses sent. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txsendrespaccept	INT32	Incremental	active	SSL micro-tunneling: SEND responses accepted. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-txsendresprej	INT32	Incremental	active	SSL micro-tunneling: SEND responses rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-cannotcreatconn	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: cannot create connection. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-protonotsupported	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: protocol not supported. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-permdenied	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: permission denied. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-openrejtx-cannotcreatesockid	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: cannot create sock-id. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-badparam	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-addrport-alreadyused	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: address or port already used. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-cannotconnectserver	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: cannot connect the server. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-hostnameunknown	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: hostname is unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-authrequired	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: authentication required. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-openrejtx-reserved	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-namrejtx-versionnotsupported	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: version not supported. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-namrejtx-servercannotcreateauth	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: server cannot create an authentication process. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-namrejtx-badparameters	INT32	Incremental	active	SSL micro-tunneling: OPEN Reject sent: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-namrejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: NAM Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-namrejtx-reserved	INT32	Incremental	active	SSL micro-tunneling: NAM Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-authrejtx-authidunknown	INT32	Incremental	active	SSL micro-tunneling: AUTH Reject sent: the auth-id is unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-authrejtx-cannotconntoauthserver	INT32	Incremental	active	SSL micro-tunneling: AUTH Reject sent: cannot connect to authentication server. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-authrejtx-badparam	INT32	Incremental	active	SSL micro-tunneling: AUTH Reject sent: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-authrejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: AUTH Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-authrejtx-reserved	INT32	Incremental	active	SSL micro-tunneling: AUTH Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-sockidunknown	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: the sock-id is unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-connlost	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: the connection is lost. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-permissiondenied	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: permission denied. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-badparameters	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-recvrejtx-unreserved	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejtx-sockidunknown	INT32	Incremental	active	SSL micro-tunneling: RECV Reject sent: the sock-id is unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejtx-connlost	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject sent: the connection is lost. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejtx-badparameters	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject sent: the bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-closerejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejtx-unreserved	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejrx-sockidunknown	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject received: sock-id unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejrx-connlost	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject received: the connection is lost. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejrx-badparameters	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject received: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejrx-undefined	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject received: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-closerejrx-unreserved	INT32	Incremental	active	SSL micro-tunneling: CLOSE Reject received: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-sockidunknown	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: sock-id unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-connlost	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: the connection is lost. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-permissiondenied	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: permission denied. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-badparam	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-undefined	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejtx-reserved	INT32	Incremental	active	SSL micro-tunneling: SEND Reject sent: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-sockidunknown	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: sock-id unknown. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-connlost	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: connection is lost. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-permissiondenied	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: permission denied. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-badparam	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: bad parameters. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-undefined	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: undefined. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-sendrejrx-reserved	INT32	Incremental	active	SSL micro-tunneling: SEND Reject received: reserved. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-pktdiscardstat-unknownversion	INT32	Incremental	active	SSL micro-tunneling: Packets discarded statistics: unknown version. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-pktdiscardstat-unknownmsgtype	INT32	Incremental	active	SSL micro-tunneling: Packets discarded statistics: unknown message type. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-open-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Packets discarded statistics: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-open-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Packets discarded statistics: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-open-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: OPEN: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-open-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: OPEN: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respopen-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP OPEN: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-msgdenied-respopen-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP OPEN: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-close-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: CLOSE: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-close-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: CLOSE: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-close-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: CLOSE: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-close-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: CLOSE: unknown context, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respclose-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP CLOSE: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respclose-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP CLOSE: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-nam-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: NAM: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-nam-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: NAM: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-nam-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: NAM: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-nam-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: NAM: unknown context, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respnam-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP NAM: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respnam-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP NAM: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-auth-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: AUTH: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-auth-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: AUTH: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-auth-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: AUTH: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-auth-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: AUTH: unknown context, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respauth-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP AUTH: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respauth-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP AUTH: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-recv-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RECV: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-recv-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RECV: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-recv-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RECV: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-recv-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RECV: unknown context, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-resprecv-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP RECV: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	mt-msgdenied-resprecv-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP RECV: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-send-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: SEND: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-send-decodefailrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: SEND: decoding failed, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-send-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: SEND: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-send-uknownctxtrej	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: SEND: unknown context, rejected. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respsend-decodefaildropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP SEND: decoding failed, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respsend-uknownctxtdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP SEND: unknown context, dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	mt-msgdenied-respunknowncommdropped	INT32	Incremental	active	SSL micro-tunneling: Messages denied statistics: RESP to unknown command dropped. This variable is proprietary.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_raw_pkts_to_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_raw_pkts_to_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_raw_bytes_to_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_raw_bytes_to_stack	INT64	Incremental	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_raw_pkts_from_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_raw_pkts_from_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_raw_bytes_from_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_raw_bytes_from_stack	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_sockets_opened	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_sockets_opened	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_sockets_open_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_sockets_open_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_connect_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_connect_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_listening_socket	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_listening_socket	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_listen_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_listen_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_bind_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_bind_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_bind_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_bind_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_accept_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_accept_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_accept_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_accept_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_send_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_send_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_send_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_send_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_send_partial	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_send_partial	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_sendto_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_sendto_success	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	utcp_access_sendto_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_sendto_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_sendto_partial	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_sendto_partial	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_recv_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_recv_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_recv_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_recv_fail	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_recvfrom_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_recvfrom_attempt	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_current_open_sockets	INT32	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_current_open_sockets	INT32	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_current_alloc_tcpvect	INT32	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_current_alloc_tcpvect	INT32	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinsegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinsegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinerrs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinerrs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpoutsegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpoutsegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpoutrsts	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpoutrsts	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpretranssegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpretranssegs	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinpartialretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinpartialretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinpartialretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinpartialretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinoooseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinoooseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinooobytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinooobytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinooooretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinooooretransseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinooooretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinooooretransbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinooosuccessseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinooosuccessseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpinooosuccessbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpinooosuccessbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpincsumerrseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpincsumerrseg	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdg	utcp_access_tcpincsumerrbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpincsumerrbytes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpactiveopens	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpactiveopens	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcppassiveopens	INT64	Incremental	active	Not Defined	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcppassiveopens	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpattemptfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpattemptfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpestabresets	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpestabresets	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_tcpcurrestab	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_tcpcurrestab	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipinreceives	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipinreceives	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipinhdrerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipinhdrerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipinunknownprotos	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipinunknownprotos	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipindiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipindiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipinaddrerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipinaddrerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipoutrequests	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipoutrequests	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipoutdiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipoutdiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipoutnoroutes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipoutnoroutes	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipreasmtimeout	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipreasmtimeout	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipreasmoks	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipreasmoks	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipreasmfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipreasmfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipfragoks	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipfragoks	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipfragfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipfragfails	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_ipfragcreates	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_ipfragcreates	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_iproutingdiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_iproutingdiscards	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_udpnoports	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_udpnoports	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_udpinerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_udpinerrors	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_udpindatagrams	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_udpindatagrams	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_access_udpoutdatagrams	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
pdg	utcp_nw_udpoutdatagrams	INT64	Incremental	active	Not supported in this release.	Not Defined	IPSec/SSL	Standard
cscfintf	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
cscfintf	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the CSCFIntf service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
cscfintf	svcname	STRING	Primary-key	active	Internal number that uniquely identifies an interface.	Configuration	Per CSCFIntf Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscfintf	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Generated During System Startup	Per CSCFIntf Service	Standard
cscfintf	peer-ipaddr	STRING	Primary-key	active	Peer Ip-address	Not Defined	Not Defined	Standard
cscfintf	peer-domain	STRING	Primary-key	active	Peer Domain Name	Not Defined	Not Defined	Standard
cscfintf	regreqrx	INT64	Incremental	active	Total number of Register requests received.	Not Defined	Not Defined	Standard
cscfintf	regreqtx	INT64	Incremental	active	Total number of Register requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	invreqrx	INT64	Incremental	active	Total number of Invite requests received.	Not Defined	Not Defined	Standard
cscfintf	invreqtx	INT64	Incremental	active	Total number of Invite requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	ackreqrx	INT64	Incremental	active	Total number of ACK requests received.	Not Defined	Not Defined	Standard
cscfintf	ackreqtx	INT64	Incremental	active	Total number of ACK requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	byereqrx	INT64	Incremental	active	Total number of Bye requests received.	Not Defined	Not Defined	Standard
cscfintf	byereqtx	INT64	Incremental	active	Total number of Bye requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	cancreqrx	INT64	Incremental	active	Total number of Cancel requests received.	Not Defined	Not Defined	Standard
cscfintf	cancreqtx	INT64	Incremental	active	Total number of Cancel requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	optreqrx	INT64	Incremental	active	Total number of Options requests received.	Not Defined	Not Defined	Standard
cscfintf	optreqtx	INT64	Incremental	active	Total number of Options requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	prackreqrx	INT64	Incremental	active	Total number of PRACK requests received.	Not Defined	Not Defined	Standard
cscfintf	prackreqtx	INT64	Incremental	active	Total number of PRACK requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	subreqrx	INT64	Incremental	active	Total number of Subscribe requests received.	Not Defined	Not Defined	Standard
cscfintf	subreqtx	INT64	Incremental	active	Total number of Subscribe requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	notreqrx	INT64	Incremental	active	Total number of Notify requests received.	Not Defined	Not Defined	Standard
cscfintf	notreqtx	INT64	Incremental	active	Total number of Notify requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	refreqrx	INT64	Incremental	active	Total number of Refer requests received.	Not Defined	Not Defined	Standard
cscfintf	refreqtx	INT64	Incremental	active	Total number of Refer requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	inforeqrx	INT64	Incremental	active	Total number of Info requests received.	Not Defined	Not Defined	Standard
cscfintf	inforeqtx	INT64	Incremental	active	Total number of Info requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	updreqrx	INT64	Incremental	active	Total number of Update requests received.	Not Defined	Not Defined	Standard
cscfintf	updreqtx	INT64	Incremental	active	Total number of Update requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	msgreqrx	INT64	Incremental	active	Total number of Message requests received.	Not Defined	Not Defined	Standard
cscfintf	msgreqtx	INT64	Incremental	active	Total number of Message requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	pubreqrx	INT64	Incremental	active	Total number of Publish requests received.	Not Defined	Not Defined	Standard
cscfintf	pubreqtx	INT64	Incremental	active	Total number of Publish requests transmitted.	Not Defined	Not Defined	Standard
cscfintf	tryrsprx	INT64	Incremental	active	Total number of Trying responses received.	Not Defined	Not Defined	Standard
cscfintf	tryrsptx	INT64	Incremental	active	Total number of Trying responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	rngrsprx	INT64	Incremental	active	Total number of Ringing responses received.	Not Defined	Not Defined	Standard
cscfintf	rngrsptx	INT64	Incremental	active	Total number of Ringing responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	fwdrsprx	INT64	Incremental	active	Total number of Forwarded responses received.	Not Defined	Not Defined	Standard
cscfintf	fwdrsptx	INT64	Incremental	active	Total number of Forwarded responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	quersprx	INT64	Incremental	active	Total number of Queued responses received.	Not Defined	Not Defined	Standard
cscfintf	quersptx	INT64	Incremental	active	Total number of Queued responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	prgrsprx	INT64	Incremental	active	Total number of Progress responses received.	Not Defined	Not Defined	Standard
cscfintf	prgrsptx	INT64	Incremental	active	Total number of Progress responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	200-rsprx	INT64	Incremental	active	Total number of 200 OK responses received.	Not Defined	Not Defined	Standard
cscfintf	200-rsptx	INT64	Incremental	active	Total number of 200 OK responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	202-rsprx	INT64	Incremental	active	Total number of 202 Accepted responses received.	Not Defined	Not Defined	Standard
cscfintf	202-rsptx	INT64	Incremental	active	Total number of 202 Accepted responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	mchrsprx	INT64	Incremental	active	Total number of Multiple Choices responses received.	Not Defined	Not Defined	Standard
cscfintf	mchrsptx	INT64	Incremental	active	Total number of Multiple Choices responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	mpersprx	INT64	Incremental	active	Total number of Moved Permanently responses received.	Not Defined	Not Defined	Standard
cscfintf	mpersptx	INT64	Incremental	active	Total number of Moved Permanently responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	mtersprx	INT64	Incremental	active	Total number of Moved Temporarily responses received.	Not Defined	Not Defined	Standard
cscfintf	mtersptx	INT64	Incremental	active	Total number of Moved Temporarily responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	upxrsprx	INT64	Incremental	active	Total number of Use Proxy responses received.	Not Defined	Not Defined	Standard
cscfintf	upxrsptx	INT64	Incremental	active	Total number of Use Proxy responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	altrsprx	INT64	Incremental	active	Total number of Alternative Service responses received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscfintf	altrsptx	INT64	Incremental	active	Total number of Alternative Service responses transmitted.	Not Defined	Not Defined	Standard
cscfintf	brqerrrx	INT64	Incremental	active	Total number of BadRequest errors received.	Not Defined	Not Defined	Standard
cscfintf	brqerrtx	INT64	Incremental	active	Total number of BadRequest errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	uauerrrx	INT64	Incremental	active	Total number of UnAuthorized errors received.	Not Defined	Not Defined	Standard
cscfintf	uauerrtx	INT64	Incremental	active	Total number of UnAuthorized errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	prerrrx	INT64	Incremental	active	Total number of Payment Required Errors received.	Not Defined	Not Defined	Standard
cscfintf	prerrtx	INT64	Incremental	active	Total number of Payment Required Errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	forerrrx	INT64	Incremental	active	Total number of Forbidden errors received.	Not Defined	Not Defined	Standard
cscfintf	forerrtx	INT64	Incremental	active	Total number of Forbidden errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	nfderrrx	INT64	Incremental	active	Total number of NotFound errors received.	Not Defined	Not Defined	Standard
cscfintf	nfderrtx	INT64	Incremental	active	Total number of NotFound errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	mnaerrrx	INT64	Incremental	active	Total number of MethodNotAllowed errors received.	Not Defined	Not Defined	Standard
cscfintf	mnaerrtx	INT64	Incremental	active	Total number of MethodNotAllowed errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	nac406errrx	INT64	Incremental	active	Total number of NotAcceptable(406) errors received.	Not Defined	Not Defined	Standard
cscfintf	nac406errtx	INT64	Incremental	active	Total number of NotAcceptable(406) errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	parerrrx	INT64	Incremental	active	Total number of ProxyAuthRequired errors received.	Not Defined	Not Defined	Standard
cscfintf	parerrtx	INT64	Incremental	active	Total number of ProxyAuthRequired errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	rtoerrrx	INT64	Incremental	active	Total number of RequestTimeout errors received.	Not Defined	Not Defined	Standard
cscfintf	rtoerrtx	INT64	Incremental	active	Total number of RequestTimeout errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	conferrrx	INT64	Incremental	active	Total number of Conflict Errors received.	Not Defined	Not Defined	Standard
cscfintf	conferrtx	INT64	Incremental	active	Total number of Conflict Errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	lrerrrx	INT64	Incremental	active	Total number of Length Required Errors received.	Not Defined	Not Defined	Standard
cscfintf	lrerrtx	INT64	Incremental	active	Total number of Length Required Errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	gonerrrx	INT64	Incremental	active	Total number of Gone errors received.	Not Defined	Not Defined	Standard
cscfintf	gonerrtx	INT64	Incremental	active	Total number of Gone errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	crferrrx	INT64	Incremental	active	Total number of ConditionalRequestFail errors received.	Not Defined	Not Defined	Standard
cscfintf	crferrtx	INT64	Incremental	active	Total number of ConditionalRequestFail errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	relerrrx	INT64	Incremental	active	Total number of RequestEntityTooLarge errors received.	Not Defined	Not Defined	Standard
cscfintf	relerrtx	INT64	Incremental	active	Total number of RequestEntityTooLarge errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	rulerrrx	INT64	Incremental	active	Total number of RequestURITooLong errors received.	Not Defined	Not Defined	Standard
cscfintf	rulerrtx	INT64	Incremental	active	Total number of RequestURITooLong errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	umterrrx	INT64	Incremental	active	Total number of UnsupportedMediaType errors received.	Not Defined	Not Defined	Standard
cscfintf	umterrtx	INT64	Incremental	active	Total number of UnsupportedMediaType errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	uuserrrx	INT64	Incremental	active	Total number of Unsupported URI Scheme errors received.	Not Defined	Not Defined	Standard
cscfintf	uuserrtx	INT64	Incremental	active	Total number of Unsupported URI Scheme errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	bexerrrx	INT64	Incremental	active	Total number of BadExtension errors received.	Not Defined	Not Defined	Standard
cscfintf	bexerrtx	INT64	Incremental	active	Total number of BadExtension errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	exrerrrx	INT64	Incremental	active	Total number of Extension Required errors received.	Not Defined	Not Defined	Standard
cscfintf	exrerrtx	INT64	Incremental	active	Total number of Extension Required errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	sitserrrx	INT64	Incremental	active	Total number of Session Interval Too Small errors received.	Not Defined	Not Defined	Standard
cscfintf	sitserrtx	INT64	Incremental	active	Total number of Session Interval Too Small errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	itberrrx	INT64	Incremental	active	Total number of Interval Too Brief errors received.	Not Defined	Not Defined	Standard
cscfintf	itberrtx	INT64	Incremental	active	Total number of Interval Too Brief errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	fhloerrrx	INT64	Incremental	active	Total number of First Hop Lack Outbound errors received.	Not Defined	Not Defined	Standard
cscfintf	fhloerrtx	INT64	Incremental	active	Total number of First Hop Lack Outbound errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	blierrrx	INT64	Incremental	active	Total number of Bad Location Information errors received.	Not Defined	Not Defined	Standard
cscfintf	blierrtx	INT64	Incremental	active	Total number of Bad Location Information errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	tnaerrrx	INT64	Incremental	active	Total number of TempNotAvailable errors received.	Not Defined	Not Defined	Standard
cscfintf	tnaerrtx	INT64	Incremental	active	Total number of TempNotAvailable errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	tdnerrrx	INT64	Incremental	active	Total number of Transaction Does Not Exist errors received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cscfintf	tdnerrtx	INT64	Incremental	active	Total number of Transaction Does Not Exist errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	ldterrrx	INT64	Incremental	active	Total number of LoopDetected errors received.	Not Defined	Not Defined	Standard
cscfintf	ldterrtx	INT64	Incremental	active	Total number of LoopDetected errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	tmherrrx	INT64	Incremental	active	Total number of TooManyHops errors received.	Not Defined	Not Defined	Standard
cscfintf	tmherrtx	INT64	Incremental	active	Total number of TooManyHops errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	adierrrx	INT64	Incremental	active	Total number of AddrIncomplete errors received.	Not Defined	Not Defined	Standard
cscfintf	adierrtx	INT64	Incremental	active	Total number of AddrIncomplete errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	amberrrx	INT64	Incremental	active	Total number of Ambiguous errors received.	Not Defined	Not Defined	Standard
cscfintf	amberrtx	INT64	Incremental	active	Total number of Ambiguous errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	bhrerrrx	INT64	Incremental	active	Total number of BusyHere errors received.	Not Defined	Not Defined	Standard
cscfintf	bhrerrtx	INT64	Incremental	active	Total number of BusyHere errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	rqcerrrx	INT64	Incremental	active	Total number of RequestCancel errors received.	Not Defined	Not Defined	Standard
cscfintf	rqcerrtx	INT64	Incremental	active	Total number of RequestCancel errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	namerrrx	INT64	Incremental	active	Total number of NotAcceptableMedia errors received.	Not Defined	Not Defined	Standard
cscfintf	namerrtx	INT64	Incremental	active	Total number of NotAcceptableMedia errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	beerrrx	INT64	Incremental	active	Total number of BusyEverywhere errors received.	Not Defined	Not Defined	Standard
cscfintf	beerrtx	INT64	Incremental	active	Total number of BusyEverywhere errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	trperrrx	INT64	Incremental	active	Total number of Request Pending errors received.	Not Defined	Not Defined	Standard
cscfintf	trperrtx	INT64	Incremental	active	Total number of Request Pending errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	udperrrx	INT64	Incremental	active	Total number of Undecipherable errors received.	Not Defined	Not Defined	Standard
cscfintf	udperrtx	INT64	Incremental	active	Total number of Undecipherable errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	sarerrrx	INT64	Incremental	active	Total number of Sec-agree Required errors received.	Not Defined	Not Defined	Standard
cscfintf	sarerrtx	INT64	Incremental	active	Total number of Sec-agree Required errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	ineerrrx	INT64	Incremental	active	Total number of InternalError errors received.	Not Defined	Not Defined	Standard
cscfintf	ineerrtx	INT64	Incremental	active	Total number of InternalError errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	nimerrrx	INT64	Incremental	active	Total number of NotImplemented errors received.	Not Defined	Not Defined	Standard
cscfintf	nimerrtx	INT64	Incremental	active	Total number of NotImplemented errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	bgterrrx	INT64	Incremental	active	Total number of BadGateway errors received.	Not Defined	Not Defined	Standard
cscfintf	bgterrtx	INT64	Incremental	active	Total number of BadGateway errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	suaerrrx	INT64	Incremental	active	Total number of ServiceUnavailable errors received.	Not Defined	Not Defined	Standard
cscfintf	suaerrtx	INT64	Incremental	active	Total number of ServiceUnavailable errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	gtterrrx	INT64	Incremental	active	Total number of GatewayTimeout errors received.	Not Defined	Not Defined	Standard
cscfintf	gtterrtx	INT64	Incremental	active	Total number of GatewayTimeout errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	bsverrrx	INT64	Incremental	active	Total number of BadSipVersion errors received.	Not Defined	Not Defined	Standard
cscfintf	bsverrtx	INT64	Incremental	active	Total number of BadSipVersion errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	mtlerrrx	INT64	Incremental	active	Total number of Message Too Large errors received.	Not Defined	Not Defined	Standard
cscfintf	mtlerrtx	INT64	Incremental	active	Total number of Message Too Large errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	pcferrrx	INT64	Incremental	active	Total number of Precondition Failure errors received.	Not Defined	Not Defined	Standard
cscfintf	pcferrtx	INT64	Incremental	active	Total number of Precondition Failure errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	bewerrrx	INT64	Incremental	active	Total number of BusyEverywhere errors received.	Not Defined	Not Defined	Standard
cscfintf	bewerrtx	INT64	Incremental	active	Total number of BusyEverywhere errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	decerrrx	INT64	Incremental	active	Total number of Decline errors received.	Not Defined	Not Defined	Standard
cscfintf	decerrtx	INT64	Incremental	active	Total number of Decline errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	neaerrrx	INT64	Incremental	active	Total number of NotExistAnywhere errors received.	Not Defined	Not Defined	Standard
cscfintf	neaerrtx	INT64	Incremental	active	Total number of NotExistAnywhere errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	nac606errrx	INT64	Incremental	active	Total number of NotAcceptable(606) errors received.	Not Defined	Not Defined	Standard
cscfintf	nac606errtx	INT64	Incremental	active	Total number of NotAcceptable(606) errors transmitted.	Not Defined	Not Defined	Standard
cscfintf	mo-call-succ-rate	FLOAT	Gauge	active	Mobile Originating calls success rate.	Not Defined	Not Defined	Standard
cscfintf	mt-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating calls success rate.	Not Defined	Not Defined	Standard
cscfintf	mo-voice-call-succ-rate	FLOAT	Gauge	active	Mobile Originating VOICE calls success rate.	Not Defined	Not Defined	Standard
cscfintf	mt-voice-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating VOICE calls success rate.	Not Defined	Not Defined	Standard
cscfintf	mo-video-call-succ-rate	FLOAT	Gauge	active	Mobile Originating VIDEO calls success rate.	Not Defined	Not Defined	Standard
cscfintf	mt-video-call-succ-rate	FLOAT	Gauge	active	Mobile Terminating VIDEO calls success rate.	Not Defined	Not Defined	Standard
pdif	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdif	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PDIF service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pdif	svcname	STRING	Primary-key	active	Internal number that uniquely identifies an interface.	Configuration	Per PDIF Service	Standard
pdif	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Generated During System Startup	Per PDIF Service	Standard
pdif	bindaddress	STRING	Primary-key	active	The IP address bound to this PDIF service.	Not Defined	Not Defined	Standard
pdif	state	STRING	Primary-key	active	The current state of this service.	Not Defined	Not Defined	Standard
pdif	sess-curinprog	INT32	Incremental	active	Number of PDIF service sessions in progress (including transient ones).	Not Defined	Not Defined	Standard
pdif	sess-curact	INT32	Incremental	active	Number of currently active PDIF sessions.	Not Defined	Not Defined	Standard
pdif	sess-curdorm	INT32	Incremental	active	Number of currently dormant PDIF sessions.	Not Defined	Not Defined	Standard
pdif	sess-curactipv4	INT32	Incremental	active	Number of currently active IPV4 sessions.	Not Defined	Not Defined	Standard
pdif	sess-cursip	INT32	Gauge	active	Number of current simple IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-curmip	INT32	Gauge	active	Number of current mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-curpmip	INT32	Gauge	active	Number of current proxy mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-sipattempt	INT32	Incremental	active	Number of attempted simple IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-sipsuccess	INT32	Incremental	active	Number of successful simple IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-sipfail	INT32	Incremental	active	Number of failed simple IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-mipattempt	INT32	Incremental	active	Number of attempted mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-mipsuccess	INT32	Incremental	active	Number of successful mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-mipfail	INT32	Incremental	active	Number of failed mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-pmipattempt	INT32	Incremental	active	Number of attempted proxy mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-pmipsuccess	INT32	Incremental	active	Number of successful proxy mobile IP sessions completed.	Not Defined	Not Defined	Standard
pdif	sess-pmipfail	INT32	Incremental	active	Number of failed proxy mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-sipfbacksucc	INT32	Incremental	active	Number of successful sImple IP fallback sessions.	Not Defined	Not Defined	Standard
pdif	sess-sipfbacknotdone	INT32	Incremental	active	Number of sessions where simple IP fallback was not done.	Not Defined	Not Defined	Standard
pdif	sess-sipfbacknorrq	INT32	Incremental	active	Number of simple IP fallback sessions with no rrq request.	Not Defined	Not Defined	Standard
pdif	sess-sipfbacknotallw	INT32	Incremental	active	Number of simple IP fallback sessions that were not allowed.	Not Defined	Not Defined	Standard
pdif	sess-sipfbacktagaddr	INT32	Incremental	active	Number of simple IP fallback sessions that failed because of no tagged pool address.	Not Defined	Not Defined	Standard
pdif	sess-sipfbackmisc	INT32	Incremental	active	Number of simple IP fallback sessions that failed because of miscellaneous reasons.	Not Defined	Not Defined	Standard
pdif	sess-ttlsetup	INT32	Incremental	active	The total sessions setup per service.	Not Defined	Not Defined	Standard
pdif	sess-ttlattempt	INT32	Incremental	active	Total number of session attempts.	Not Defined	Not Defined	Standard
pdif	sess-ttlattemptfail	INT32	Incremental	active	Total number of session attempts that failed.	Not Defined	Not Defined	Standard
pdif	sess-ttlrel	INT32	Incremental	active	Total number of sessions released.	Not Defined	Not Defined	Standard
pdif	sess-ttlrellocal	INT32	Incremental	active	Total number of sessions released locally.	Not Defined	Not Defined	Standard
pdif	sess-ttlrelremote	INT32	Incremental	active	Total number of sessions released remotely.	Not Defined	Not Defined	Standard
pdif	sess-ttlsip	INT32	Incremental	active	Total Number of simple IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-ttlmip	INT32	Incremental	active	Total number of mobile IP sessions.	Not Defined	Not Defined	Standard
pdif	sess-ttlpmip	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
pdif	sess-discbeforeconn	INT32	Incremental	active	Number of sessions disconnected by remote node before being connected.	Not Defined	Not Defined	Standard
pdif	sess-discipsec	INT32	Incremental	active	Number of sessions terminated via IPsec, either by the remote node or an error in the IKE tunnel set up process.	Not Defined	Not Defined	Standard
pdif	sess-discadmin	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
pdif	sess-discidletimeout	INT32	Incremental	active	Number of sessions terminated because of idle timer timeout. Idle means that there is no activity from the user side.	Not Defined	Not Defined	Standard
pdif	sess-discabstimeout	INT32	Incremental	active	Number of sessions terminated because of absolute timeout, which is the maximum time allowed for the session.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdif	sess-disclongdur	INT32	Incremental	active	Number of sessions terminated because of long duration timer timeout, which is the maximum time a session can be up, if the absolute timeout is not configured.	Not Defined	Not Defined	Standard
pdif	sess-discmmdtimeout	INT32	Incremental	active	Number of sessions terminated because of multimedia domain service timer expiry.	Not Defined	Not Defined	Standard
pdif	sess-disctysetuptimeout	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
pdif	sess-discsesssetuptimeout	INT32	Incremental	active	Number of sessions terminated because of Session Manager session setup timeout.	Not Defined	Not Defined	Standard
pdif	sess-discnonexistpcrf	INT32	Incremental	active	Number of sessions terminated because of non-existence of PCRF.	Not Defined	Not Defined	Standard
pdif	sess-discnoresource	INT32	Incremental	active	Number of sessions terminated because of no resources.Number of sessions terminated because of no resources. This can be from lack of memory or CPU resources, NPU-based flows, a session limit based on the license, etc.	Not Defined	Not Defined	Standard
pdif	sess-discauthfail	INT32	Incremental	active	Number of sessions terminated because of AAA authentication failure.	Not Defined	Not Defined	Standard
pdif	sess-discflowaddfail	INT32	Incremental	active	Number of sessions terminated because of flow add failure.	Not Defined	Not Defined	Standard
pdif	sess-discinvdestctx	INT32	Incremental	active	Number of sessions terminated because of an invalid destination context, when the destination context for the subscriber is not found or is not defined.	Not Defined	Not Defined	Standard
pdif	sess-discsourceviol	INT32	Incremental	active	Number of sessions terminated because of source IP address violation.	Not Defined	Not Defined	Standard
pdif	sess-discmipremote	INT32	Incremental	active	Number of sessions terminated because of remote mobile IP.	Not Defined	Not Defined	Standard
pdif	sess-discmiplocal	INT32	Incremental	active	Number od sessions terminated because of local mobile IP.	Not Defined	Not Defined	Standard
pdif	sess-discdupreq	INT32	Incremental	active	Number of sessions terminated because of a duplicated request.	Not Defined	Not Defined	Standard
pdif	sess-discmacfail	INT32	Incremental	active	Number of sessions terminated because of a MAC address authentication failure.	Not Defined	Not Defined	Standard
pdif	sess-discaddrfail	INT32	Incremental	active	Number of sessions terminated because of an address allocation failure.	Not Defined	Not Defined	Standard
pdif	sess-discmisc	INT32	Incremental	active	Number of sessions terminated for miscellaneous reasons, which is disconnection for any reason other than the reasons defined above.	Not Defined	Not Defined	Standard
pdif	sess-remaining	INT32	Incremental	active	Number of available sessions remaining, based on the configured maximum sessions.	Not Defined	Not Defined	Standard
pdif	sess-limit	INT32	Incremental	active	The maximum sessions allowed. This is the value configured along with the bind command or it can be the system default.	Not Defined	Not Defined	Standard
pdif	mac-authreq	INT32	Incremental	active	Number of MAC address authentication requests.	Not Defined	Not Defined	Standard
pdif	mac-authreqvalid	INT32	Incremental	active	Number of valid MAC address authentication requests.	Not Defined	Not Defined	Standard
pdif	mac-authreqinv	INT32	Incremental	active	Number of invalid MAC address authentication requests.	Not Defined	Not Defined	Standard
pdif	mac-authsucc	INT32	Incremental	active	Number of MAC address validation successes.	Not Defined	Not Defined	Standard
pdif	mac-authsuccmatch	INT32	Incremental	active	Number of successful MAC address matches.	Not Defined	Not Defined	Standard
pdif	mac-authsucchssfail	INT32	Incremental	active	Number of HSS server authentication failures.	Not Defined	Not Defined	Standard
pdif	mac-authfail	INT32	Incremental	active	Number of MAC address authentication failures because of an unauthorized MAC address.	Not Defined	Not Defined	Standard
pdif	mac-authfaildiam	INT32	Incremental	active	Number of MAC address authentication failures because of a Diameter error.	Not Defined	Not Defined	Standard
pdif	mac-authfailuserunk	INT32	Incremental	active	Number of MAC address authentication failures because of an unknown user.	Not Defined	Not Defined	Standard
pdif	mac-authfailmacnotfound	INT32	Incremental	active	Number of MAC address authentication failures because the MAC address was not found. The MAC address is received as part of the NAI.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pdif	mac-authfailmacmissing	INT32	Incremental	active	Number of MAC address authentication failures because the MAC address was missing. The MAC address is received as part of the NAI.	Not Defined	Not Defined	Standard
pdif	mac-authfailmacmalformed	INT32	Incremental	active	Number of MAC address authentication failures because the MAC address was malformed. The MAC address is received as part of the NAI.	Not Defined	Not Defined	Standard
pdif	mac-authfailnosh	INT32	Incremental	active	Number of MAC address authentication failures because the Sh interface is down.	Not Defined	Not Defined	Standard
pdif	mac-authfailtimeout	INT32	Incremental	active	Number of MAC address authentication failures because of a timeout, which is a session setup time out with a required MAC validation, but MAC validation not complete.	Not Defined	Not Defined	Standard
pdif	mac-authfailother	INT32	Incremental	active	Number of MAC address authentication failures because of any reason other than mentioned above.	Not Defined	Not Defined	Standard
pdif	eap-rxttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-rxchalsrvrpassthru	INT32	Incremental	active	Total number of EAP challenge messages sent to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-rxsuccsrvrpassthru	INT32	Incremental	active	Total number of EAP-Success messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-rxfailsrvrpassthru	INT32	Incremental	active	Total number of EAP-Failure messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-rxmobilepassthru	INT32	Incremental	active	Total number of EAP messages received from mobile clients in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-txttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-txttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
pdif	eap-txinitreqsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode for initial request.	Not Defined	Not Defined	Standard
pdif	eap-txfwdreqsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode for forward request.	Not Defined	Not Defined	Standard
pdif	ipsec-txpacket	INT64	Incremental	active	Number of IPsec packets transmitted.	Not Defined	Not Defined	Standard
pdif	ipsec-txoctet	INT64	Incremental	active	Number of IPsec bytes transmitted.	Not Defined	Not Defined	Standard
pdif	ipsec-rxpacket	INT64	Incremental	active	Number of IPsec packets received.	Not Defined	Not Defined	Standard
pdif	ipsec-rxoctet	INT64	Incremental	active	Number of IPsec bytes received.	Not Defined	Not Defined	Standard
pdif	ipsec-violpacket	INT64	Incremental	active	Number of data packets that do not match any of the configured traffic selectors.	Not Defined	Not Defined	Standard
fng	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
fng	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the FNG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
fng	svcname	STRING	Primary-key	active	Internal number that uniquely identifies an interface.	Configuration	Per FNG Service	Standard
fng	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Generated During System Startup	Per FNG Service	Standard
fng	bindaddress	STRING	Primary-key	active	The IP address bound to this FNG service.	Not Defined	Not Defined	Standard
fng	state	STRING	Primary-key	active	The current state of this service.	Not Defined	Not Defined	Standard
fng	sess-curinprog	INT32	Incremental	active	Number of PDIF service sessions in progress (including transient ones).	Not Defined	Not Defined	Standard
fng	sess-curact	INT32	Incremental	active	Number of currently active PDIF sessions.	Not Defined	Not Defined	Standard
fng	sess-curdorm	INT32	Incremental	active	Number of currently dormant PDIF sessions.	Not Defined	Not Defined	Standard
fng	sess-curactipv4	INT32	Incremental	active	Number of currently active IPV4 sessions.	Not Defined	Not Defined	Standard
fng	sess-ttlsetup	INT32	Incremental	active	The total sessions setup per service.	Not Defined	Not Defined	Standard
fng	sess-ttlattempt	INT32	Incremental	active	Total number of session attempts.	Not Defined	Not Defined	Standard
fng	sess-ttlattemptfail	INT32	Incremental	active	Total number of session attempts that failed.	Not Defined	Not Defined	Standard
fng	sess-ttlrel	INT32	Incremental	active	Total number of sessions released.	Not Defined	Not Defined	Standard
fng	sess-ttlrellocal	INT32	Incremental	active	Total number of sessions released locally.	Not Defined	Not Defined	Standard
fng	sess-ttlrelremote	INT32	Incremental	active	Total number of sessions released remotely.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
fng	sess-remaining	INT32	Incremental	active	Number of available sessions remaining, based on the configured maximum sessions.	Not Defined	Not Defined	Standard
fng	sess-limit	INT32	Incremental	active	The maximum sessions allowed. This is the value configured along with the bind command or it can be the system default.	Not Defined	Not Defined	Standard
fng	sess-discbeforeconn	INT32	Incremental	active	Number of sessions disconnected by remote node before being connected.	Not Defined	Not Defined	Standard
fng	sess-discipsec	INT32	Incremental	active	Number of sessions terminated via IPsec, either by the remote node or an error in the IKE tunnel set up process.	Not Defined	Not Defined	Standard
fng	sess-discadmin	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
fng	sess-discidletimeout	INT32	Incremental	active	Number of sessions terminated because of idle timer timeout. Idle means that there is no activity from the user side.	Not Defined	Not Defined	Standard
fng	sess-discabstimeout	INT32	Incremental	active	Number of sessions terminated because of absolute timeout, which is the maximum time allowed for the session.	Not Defined	Not Defined	Standard
fng	sess-disclongdur	INT32	Incremental	active	Number of sessions terminated because of long duration timer timeout, which is the maximum time a session can be up, if the absolute timeout is not configured.	Not Defined	Not Defined	Standard
fng	sess-discsesssetuptimeout	INT32	Incremental	active	Number of sessions terminated because of Session Manager session setup timeout.	Not Defined	Not Defined	Standard
fng	sess-discnoresource	INT32	Incremental	active	Number of sessions terminated because of no resources.Number of sessions terminated because of no resources. This can be from lack of memory or CPU resources, NPU-based flows, a session limit based on the license, etc.	Not Defined	Not Defined	Standard
fng	sess-discauthfail	INT32	Incremental	active	Number of sessions terminated because of AAA authentication failure.	Not Defined	Not Defined	Standard
fng	sess-discflowaddfail	INT32	Incremental	active	Number of sessions terminated because of flow add failure.	Not Defined	Not Defined	Standard
fng	sess-discinvdestctx	INT32	Incremental	active	Number of sessions terminated because of an invalid destination context, when the destination context for the subscriber is not found or is not defined.	Not Defined	Not Defined	Standard
fng	sess-discsourceviol	INT32	Incremental	active	Number of sessions terminated because of source IP address violation.	Not Defined	Not Defined	Standard
fng	sess-discdupreq	INT32	Incremental	active	Number of sessions terminated because of a duplicated request.	Not Defined	Not Defined	Standard
fng	sess-discaddrfail	INT32	Incremental	active	Number of sessions terminated because of an address allocation failure.	Not Defined	Not Defined	Standard
fng	sess-discmisc	INT32	Incremental	active	Number of sessions terminated for miscellaneous reasons, which is disconnection for any reason other than the reasons defined above.	Not Defined	Not Defined	Standard
fng	eap-rxttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
fng	eap-rxchalsrvrpassthru	INT32	Incremental	active	Total number of EAP challenge messages sent to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
fng	eap-rxsuccsrvrpassthru	INT32	Incremental	active	Total number of EAP-Success messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
fng	eap-rxfailsrvrpassthru	INT32	Incremental	active	Total number of EAP-Failure messages received from the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
fng	eap-txttlsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode.	Not Defined	Not Defined	Standard
fng	eap-txinitreqsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode for initial request.	Not Defined	Not Defined	Standard
fng	eap-txfwdreqsrvrpassthru	INT32	Incremental	active	Total number of EAP messages transmitted to the EAP server in pass-through mode for forward request.	Not Defined	Not Defined	Standard
fng	ipsec-txpacket	INT64	Incremental	active	Number of IPsec packets transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
fng	ipsec-txoctet	INT64	Incremental	active	Number of IPsec bytes transmitted.	Not Defined	Not Defined	Standard
fng	ipsec-rxpacket	INT64	Incremental	active	Number of IPsec packets received.	Not Defined	Not Defined	Standard
fng	ipsec-rxoctet	INT64	Incremental	active	Number of IPsec bytes received.	Not Defined	Not Defined	Standard
gtpc	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the service.	Configuration	Per Context	Standard
gtpc	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
gtpc	servname	STRING	Primary-key	active	The name of the service for which these statistics are being displayed.	Configuration	Per GGSN Service	Standard
gtpc	setup-current	INT32	Gauge	active	The total number of current sessions setup.	Increments: Whenever a default bearer gets created. Decrements: Due to network/UE side deletion of that default bearer.	Per GGSN Service	Standard
gtpc	current-ip	INT32	Gauge	active	The total number of current IPv4 Sessions	Increments: When a new IPv4 session is set up. Decrements: When IPv4 session goes down.	Per GGSN Service	Standard
gtpc	current-ppp	INT32	Gauge	active	The total number of current PPP sessions	Increments: When a new PPP session is set up. Decrements: When PPP session goes down.	Per GGSN Service	Standard
gtpc	current-ipv6	INT32	Gauge	active	The total number of current IPv6 Sessions	Increments: When a new IPv6 session is setup. Decrements: When IPv6 session goes down.	Per GGSN Service	Standard
gtpc	current-ipv4v6	INT32	Gauge	active	The total number of current IPv4v6 Sessions	Increments: When a new IPv4 session is setup. Decrements: When IPv4v6 session goes down.	Per GGSN Service	Standard
gtpc	current-ntwkinitd	INT32	Gauge	active	The total number of current Network initiated Sessions	Increments: When n/w initiated session is established. Drecreaments: When n/w Initiated session goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-1	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 1.	Increments: when PDN connections for Restoration-Priority-Level 1 is setup. Decrements: when PDN connections for Restoration-Priority-Level 1 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-2	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 2.	Increments: when PDN connections for Restoration-Priority-Level 2 is setup. Decrements: when PDN connections for Restoration-Priority-Level 2 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-3	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 3.	Increments: when PDN connections for Restoration-Priority-Level 3 is setup. Decrements: when PDN connections for Restoration-Priority-Level 3 goes down.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	current-pdn-restore-priority-4	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 4.	Increments: when PDN connections for Restoration-Priority-Level 4 is setup. Decrements: when PDN connections for Restoration-Priority-Level 4 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-5	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 5.	Increments: when PDN connections for Restoration-Priority-Level 5 is setup. Decrements: when PDN connections for Restoration-Priority-Level 5 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-6	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 6.	Increments: when PDN connections for Restoration-Priority-Level 6 is setup. Decrements: when PDN connections for Restoration-Priority-Level 6 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-7	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 7.	Increments: when PDN connections for Restoration-Priority-Level 7 is setup. Decrements: when PDN connections for Restoration-Priority-Level 7 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-8	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 8.	Increments: when PDN connections for Restoration-Priority-Level 8 is setup. Decrements: when PDN connections for Restoration-Priority-Level 8 goes down.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-9	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 9.	Increments when a PDN connection is established for Restoration-Priority-Level 9. Decrements when a PDN connection is released for Restoration-Priority-Level 9.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-10	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 10.	Increments when a PDN connection is established for Restoration-Priority-Level 10. Decrements when a PDN connection is released for Restoration-Priority-Level 10.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-11	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 11.	Increments when a PDN connection is established for Restoration-Priority-Level 11. Decrements when a PDN connection is released for Restoration-Priority-Level 11.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	current-pdn-restore-priority-12	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 12.	Increments when a PDN connection is established for Restoration-Priority-Level 12. Decrements when a PDN connection is released for Restoration-Priority-Level 12.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-13	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 13.	Increments when a PDN connection is established for Restoration-Priority-Level 13. Decrements when a PDN connection is released for Restoration-Priority-Level 13.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-14	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 14.	Increments when a PDN connection is established for Restoration-Priority-Level 14. Decrements when a PDN connection is released for Restoration-Priority-Level 14.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-15	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 15.	Increments when a PDN connection is established for Restoration-Priority-Level 15. Decrements when a PDN connection is released for Restoration-Priority-Level 15.	Per GGSN Service	Standard
gtpc	current-pdn-restore-priority-16	INT32	Gauge	active	The current number of PDN connections for Restoration-Priority-Level 16.	Increments when a PDN connection is established for Restoration-Priority-Level 16. Decrements when a PDN connection is released for Restoration-Priority-Level 16.	Per GGSN Service	Standard
gtpc	setup-total	INT32	Incremental	active	The total number of PDP contexts setup.	Increments: When any PDP context is setup.	Per GGSN Service	Standard
gtpc	setup-ip	INT32	Incremental	active	The total number of IPv4 PDP contexts setup.	Increments: When IPv4 PDP context is setup.	Per GGSN Service	Standard
gtpc	setup-ppp	INT32	Incremental	active	The total number of PPP PDP contexts setup.	Increments: When PPP PDP context is setup.	Per GGSN Service	Standard
gtpc	setup-ipv6	INT32	Incremental	active	The total number of IPv6 sessions	Increments: Wen IPv6 PDP context is setup.	Per GGSN Service	Standard
gtpc	setup-ipv4v6	INT32	Incremental	active	The total number of IPv4v6 sessions	Increments: When IPv4v6 PDP context is setup.	Per GGSN Service	Standard
gtpc	setup-sgsn	INT32	Incremental	active	The total number of SGSN(s) initiated sessions	Increments: for every SGSN(s) initiated established session.	Per GGSN Service	Standard
gtpc	setup-ggsn	INT32	Incremental	active	The total number of GGSN initiated sessions	Increments: for every GGSN initiated established session.	Per GGSN Service	Standard
gtpc	setup-ggsn-s6b-assume-positive	INT32	Incremental	active	S6b assumed positive subscriber count.	Increments: When call is setup by considering S6b auth positive.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	num-ggsn-active-ue	INT32	Gauge	active	The unique number of active IMSIs on GGSN.	Increments: When a new GGSN subscriber comes up. Decrements: When the (last PDN) subscriber goes down.	Per GGSN Service	Standard
gtpc	num-ggsn-active-2g-ue	INT32	Gauge	active	The unique number of active IMSIs on GGSN connected to 2G.	Increments: When a new 2G GGSN subscriber comes up. Decrements: When the last 2G PDN of the subscriber goes down.	Per GGSN Service	Standard
gtpc	num-ggsn-active-3g-ue	INT32	Gauge	active	The unique number of active IMSIs on GGSN connected to 3G.	Increments: When a new 3G GGSN subscriber comes up. Decrements: When the last 3G PDN of the subscriber goes down.	Per GGSN Service	Standard
gtpc	current-3g-pdp	INT32	Gauge	active	The total number of active 3G PDP contexts.	Increments: When a new 3G PDP context is set up. Decrements: When the 3G PDP context goes down.	Per GGSN Service	Standard
gtpc	current-2g-pdp	INT32	Gauge	active	The total number of active 2G PDP contexts.	Increments: When a new 2G PDP context is set up. Decrements: When the 2G PDP context goes down.	Per GGSN Service	Standard
gtpc	setup-3g-pdp	INT32	Incremental	active	The total number of 3G PDP contexts.	Increments: When a new 3G PDP context is set up.	Per GGSN Service	Standard
gtpc	setup-2g-pdp	INT32	Incremental	active	The total number of 2G PDP contexts.	Increments: When a new 2G PDP context is set up.	Per GGSN Service	Standard
gtpc	released-total	INT32	Incremental	active	The total number of PDP contexts released.	Increments: When PDP contexts is released.	Per GGSN Service	Standard
gtpc	dyn-ipv4-attempt	INT32	Incremental	active	The total number of IPv4 PDP contexts requesting dynamically assigned IP addresses that were attempted.	Increments: When IPv4 PDP contexts requesting dynamically assigned IP addresses is attempted.	Per GGSN Service	Standard
gtpc	dyn-ipv6-attempt	INT32	Incremental	active	The total number of IPv6 PDP contexts requesting dynamically assigned IP addresses that were attempted.	Increments: When IPv6 PDP context requesting dynamically assigned IP addresses is attempted.	Per GGSN Service	Standard
gtpc	dyn-ipv4-success	INT32	Incremental	active	The total number of IPv4 PDP contexts requesting dynamically assigned IP addresses that were successfully setup.	Increments: When IPv4 PDP context requesting dynamically assigned IP address is successfully setup	Per GGSN Service	Standard
gtpc	dyn-ipv6-success	INT32	Incremental	active	The total number of IPv6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup.	Increments: When IPv6 PDP context requesting dynamically assigned IP address is successfully setup	Per GGSN Service	Standard
gtpc	echo-req-rx	INT32	Incremental	active	The total number of GTPC echo requests received.	Increments: When GTPC echo request is received.	Per GGSN Service	Standard
gtpc	echo-req-tx	INT32	Incremental	active	The total number of GTPC echo requests transmitted.	Increments: When GTPC echo request is transmitted.	Per GGSN Service	Standard
gtpc	gtpu-echo-req-rx	INT32	Incremental	active	The total number of GTPU echo requests received.	Increments: When GTPU echo requests received.	Per GGSN Service	Standard
gtpc	gtpu-echo-req-tx	INT32	Incremental	active	The total number of GTPU echo requests transmitted.	Increments: When GTPU echo requests transmitted.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	echo-rsp-tx	INT32	Incremental	active	The total number of GTPC echo responses transmitted.	Increments: When GTPC echo response transmitted.	Per GGSN Service	Standard
gtpc	echo-rsp-rx	INT32	Incremental	active	The total number of GTPC echo responses received.	Increments: When GTPC echo respons received.	Per GGSN Service	Standard
gtpc	gtpu-echo-rsp-tx	INT32	Incremental	active	The total number of GTPU echo responses transmitted.	Increments: When GTPU echo response is transmitted.	Per GGSN Service	Standard
gtpc	gtpu-echo-rsp-rx	INT32	Incremental	active	The total number of GTPU echo responses received.	Increments: When GTPU echo response is received.	Per GGSN Service	Standard
gtpc	cpc-total	INT32	Incremental	active	The total number of GTPv1 and GTPv0 Create PDP Context Request messages received.	Increments : When GTPv0 or GTPv1 Create PDP Context Request message is received.	Per GGSN Service	Standard
gtpc	cpc-v0	INT32	Incremental	active	The total number of Create PDP Context Request messages received that used GTPC version 0.	Increments: on receiving a GTPv0 Create PDP Context Request message.	Per GGSN Service	Standard
gtpc	cpc-v1	INT32	Incremental	active	The total number of Create PDP Context Request messages received that used GTPC version 1.	Incerments: on receving a GTPv1 Create PDP Request message.	Per GGSN Service	Standard
gtpc	cpc-sec	INT32	Incremental	active	The total number of Create PDP Context Request messages received from the SGSN(s) as part of Secondary PDP Context Activation Procedure.	Increments : When Create PDP Context Request message is received from the SGSN(s) as part of Secondary PDP Context Activation Procedure	Per GGSN Service	Standard
gtpc	cpc-retrans	INT32	Incremental	active	The total number of re-transmitted Create PDP Context Request messages received from the SGSN(s) for either the primary or secondary PDP contexts.	Increments : When Create PDP Context Request messages received from the SGSN(s) for either the primary or secondary PDP contexts.	Per GGSN Service	Standard
gtpc	cpc-accept	INT32	Incremental	active	The total number of Create PDP Context Response messages transmitted containing a cause value of 128 (80H, Request accepted).	Incerments: When a successful Create PDP Response message with cause value Request Accepted (cause value 80H) is sent .	Per GGSN Service	Standard
gtpc	cpc-deny	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted.	Increments : When Create PDP Context Response message NOT containing the cause value of 128 (80H,Request accepted).	Per GGSN Service	Standard
gtpc	cpc-discard	INT32	Incremental	active	The total number of Create PDP Context Request messages received from the SGSN(s) that were discarded.	Increments : When Create PDP Context Request message received from the SGSN(s) is discarded.	Per GGSN Service	Standard
gtpc	upc-rx	INT32	Incremental	active	The total number of Update PDP Context Request messages received from the SGSN(s).	Increments : When Update PDP Context Request message received from the SGSN(s).	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	upc-rx-accept	INT32	Incremental	active	The total number of Update PDP Context Response messages received from SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increments: When a successful Update PDP Response message with cause value Request Accepted (cause value 80H) is received.	Per GGSN Service	Standard
gtpc	upc-rx-deny	INT32	Incremental	active	The total number of reject Update PDP Context Response messages received from SGSN(s).	Increments : Update PDP Context response message NOT containing the cause value of 128 (80H,Request accepted).	Per GGSN Service	Standard
gtpc	upc-rx-discard	INT32	Incremental	active	The total number of Update PDP Context Request messages received from SGSN(s) that were discarded	Increments : When Update PDP Context Request message received from the SGSN(s) is discarded.	Per GGSN Service	Standard
gtpc	upc-tx	INT32	Incremental	active	The total number of Update PDP Context Request messages sent to the SGSN(s).	Increments : When Update PDP Context Request message sent to the SGSN(s).	Per GGSN Service	Standard
gtpc	upc-tx-accept	INT32	Incremental	active	The total number of Update PDP Context Response messages sent to the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increments : When a successful Update PDP Response message with cause value Request Accepted is sent.	Per GGSN Service	Standard
gtpc	upc-tx-deny	INT32	Incremental	active	The total number of reject Update PDP Context Response messages sent to the SGSN(s).	Increments : When Update PDP Context Response message NOT containing the cause value of 128 (80H,Request accepted).	Per GGSN Service	Standard
gtpc	upc-tx-dt-upd	INT32	Incremental	active	The total number of Update PDP Context Response messages sent to SGSN(s) for direct tunnel update.	Increments : When Update PDP Context Response message sent to SGSN(s) for direct tunnel update.	Per GGSN Service	Standard
gtpc	dpc-rx	INT32	Incremental	active	The total number of Delete PDP Context Request messages received from the SGSN(s).	Increments : When Delete PDP Context Request message received from the SGSN(s).	Per GGSN Service	Standard
gtpc	dpc-rx-accept	INT32	Incremental	active	The total number of Delete PDP Context Response messages received containing a cause value of 128 (80H, Request accepted).	Increments : When a successful Delete PDP Response message with cause value Request Accepted is received.	Per GGSN Service	Standard
gtpc	dpc-rx-deny	INT32	Incremental	active	The total number of reject Delete PDP Context Response messages received.	Increments : When Delete PDP Context Response message NOT containing the cause value of 128 (80H,Request accepted) is received.	Per GGSN Service	Standard
gtpc	dpc-rx-discard	INT32	Incremental	active	The total number of Delete PDP Context Request messages received from the SGSN(s) that were discarded	Increments : When Delete PDP Context Request message received from the SGSN(s) is discarded.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	dpc-tx	INT32	Incremental	active	The total number of Delete PDP Context Request messages transmitted to the SGSN(s).	Increments : When Delete PDP Context Request message sent to the SGSN(s).	Per GGSN Service	Standard
gtpc	dpc-tx-accept	INT32	Incremental	active	The total number of Delete PDP Context Response messages received from the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increments : When a successful Delete PDP Response message with cause value Request Accepted is sent.	Per GGSN Service	Standard
gtpc	dpc-tx-deny	INT32	Incremental	active	The total number of reject Delete PDP Context Response messages received from the SGSN(s).	Increments : When reject Delete PDP Context Response message is received.	Per GGSN Service	Standard
gtpc	cpc-aa	INT32	Incremental	active	The total number of Create AA (anonymous access) PDP Context Request messages received.	Increments: When Create AA (anonymous access) PDP Context Request message is received at GGSN.	Per GGSN service.	Standard
gtpc	cpc-aa-accept	INT32	Incremental	active	The total number of Create AA PDP Context Response messages transmitted to the SGSN with a cause code of 128 (80H, Request accepted).	Increments: When Create AA (anonymous access) PDP Context Request is accepted by GGSN with a cause code of 128 (80H, Request accepted).	Per GGSN service.	Standard
gtpc	cpc-aa-deny	INT32	Incremental	active	The total number of reject Create AA PDP Context Response messages transmitted to the SGSN(s).	Increments: When Create AA (anonymous access) PDP Context Request message is rejected by GGSN.	Per GGSN service.	Standard
gtpc	cpc-aa-discard	INT32	Incremental	active	The total number of Create AA PDP Context Request messages received that were discarded without transmitting a response to the SGSN(s).	Increments: When Create AA (anonymous access) PDP Context Request message is discarded by GGSN.	Per GGSN service.	Standard
gtpc	dpc-aa-rx	INT32	Incremental	active	The total number of Delete AA PDP Context Request messages received from the SGSN(s).	Increments: When Delete AA PDP Context Request message is received from SGSN(s).	Per GGSN service.	Standard
gtpc	dpc-aa-rx-accept	INT32	Incremental	active	The total number of Delete AA PDP Context Response messages transmitted containing a cause value of 128 (80H, Request accepted).	Increments: When Delete AA PDP Context Response message is transmitted with cause of 128 (80H, Request accepted).	Per GGSN service.	Standard
gtpc	dpc-aa-rx-deny	INT32	Incremental	active	The total number of Delete AA PDP Context Request messages received from the SGSN(s) that were rejected.	Increments: When Delete AA PDP Context Request message is denied by GGSN.	Per GGSN service.	Standard
gtpc	dpc-aa-rx-discard	INT32	Incremental	active	The total number of Delete PDP AA Context Request messages received from the SGSN(s) that were discarded.	Increments: When Delete AA PDP Context Request message received from SGSN(s) is discarded.	Per GGSN service.	Standard
gtpc	dpc-aa-tx	INT32	Incremental	active	The total number of Delete AA PDP Context Request messages transmitted to the SGSN(s).	Increments: When Delete AA PDP Context Request message is transmitted to the SGSN(s).	Per GGSN service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	dpc-aa-tx-accept	INT32	Incremental	active	The total number of Delete AA PDP Context Request messages transmitted to SGSN(s) which were accepted with a cause value of 128 (80H, Request accepted).	Increments: When Delete AA PDP Context Request message transmitted to SGSN(s) is accepted with a cause value of 128 (80H, Request accepted).	Per GGSN service.	Standard
gtpc	dpc-aa-tx-deny	INT32	Incremental	active	The total number of Delete AA PDP Context Request messages transmitted to SGSN(s) that were rejected by SGSN(s).	Increments: When Delete AA PDP Context Response message is received from SGSN(s) with cause rejected.	Per GGSN service.	Standard
gtpc	ms-info-chng-total	INT32	Incremental	active	The total number of MS Info Change Notification Request messages received from the SGSN(s).	Increaments: when MS Info Change Notification Request is received by GGSN	Per GGSN Service	Standard
gtpc	ms-info-chng-accept	INT32	Incremental	active	The total number of MS Info Change Notification Response messages transmitted to the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increaments: when MS Info Change Notification Request is accepted by GGSN	Per GGSN Service	Standard
gtpc	ms-info-chng-deny	INT32	Incremental	active	The total number of reject MS Info Change Notificationt Response messages transmitted to the SGSN(s).	Increaments: when MS Info Change Notification Request is denied by GGSN	Per GGSN Service	Standard
gtpc	ms-info-chng-discard	INT32	Incremental	active	The total number of MS Info Change Notification Request messages received from SGSN(s) that were discarded	Increaments: when MS Info Change Notification Request is discarded by GGSN	Per GGSN Service	Standard
gtpc	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW.	Increments: When Error Indication message is received from HNB by HNBGW.	Per GGSN service.	Standard
gtpc	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC.	Increments: When Error Indication message is received by HNBGW and sent to CBC.	Per GGSN service.	Standard
gtpc	err-ind-rx-discard	INT32	Incremental	active	The total number of error indication messages received and discarded at the SGSN(s).	Increments: When error indication message is received and discarded at the SGSN(s).	Per GGSN service.	Standard
gtpc	cpc-noresource	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 199 (C7H, No resources available).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) with cause code of 199 (C7H, No resources available).	Per GGSN service.	Standard
gtpc	cpc-addr-occupied	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 211 (D3H, All dynamic PDP addresses are occupied).	Increments: When Create PDP Context Response message is transmitted to SGSN(s) sent with a cause code of 211 (D3H, All dynamic PDP addresses are occupied).	Per GGSN service.	Standard
gtpc	cpc-nomem	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 212 (D4H, No memory is available).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 212 (D4H, No memory is available).	Per GGSN service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	cpc-missing-apn	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 219 (DBH, Missing or unknown APN).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 219 (DBH, Missing or unknown APN).	Per GGSN service.	Standard
gtpc	cpc-unknown-pdp	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 220 (DCH, Unknown PDP address or PDP type).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) with a cause code of 220 (DCH, Unknown PDP address or PDP type).	Per GGSN service.	Standard
gtpc	cpc-no-apn-subscription	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent because there was no apn subscription.	Increments: When reject Create PDP Context Response message is transmitted to SGSN(s) because there was no apn subscription.	Per GGSN service.	Standard
gtpc	cpc-auth-fail	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 209.	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 209(Authorization failure).	Per GGSN service.	Standard
gtpc	cpc-sys-fail	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 204 (CCH, System failure).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) with a cause code of 204 (CCH, System failure).	Per GGSN service.	Standard
gtpc	cpc-sem-tft	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 215 (D7H, Semantic error in the TFT operation).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) with a cause code of 215 (D7H, Semantic error in the TFT operation).	Per GGSN service.	Standard
gtpc	cpc-syn-tft	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 216 (D8H, Syntactic error in the TFT operation).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) with a cause code of 216 (D8H, Syntactic error in the TFT operation).	Per GGSN service.	Standard
gtpc	cpc-sem-pktfilter	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 217 (D9H, Semantic error in packet filter(s)).	Increments: Create PDP Context Response message is transmitted to SGSN(s) with a cause code of 217 (D9H, Semantic error in packet filter(s)).	Per GGSN service.	Standard
gtpc	cpc-syn-pktfilter	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 218 (DAH, Syntactic error in packet filter(s)).	Increments: When Create PDP Context Response message is transmitted to SGSN(s) sent with a cause code of 218 (DAH, Syntactic error in packet filter(s)).	Per GGSN service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	cpc-ie-err	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 201 (C9H, Mandatory IE incorrect).	Increments: When Create PDP Context Response message is to the SGSN(s) sent with a cause code of 201 (C9H, Mandatory IE incorrect).	Per GGSN service.	Standard
gtpc	cpc-ie-missing	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 202 (CAH, Mandatory IE missing).	Increments: When Create PDP Context Response message is transmitted to SGSN(s) sent with a cause code of 202 (CAH, Mandatory IE missing).	Per GGSN service.	Standard
gtpc	cpc-opt-ie-err	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 203 (CBH, Optional IE incorrect).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 203 (CBH, Optional IE incorrect).	Per GGSN service	Standard
gtpc	cpc-malformed	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 193 (C1H, Invalid message format).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 193 (C1H, Invalid message format).	Per GGSN service.	Standard
gtpc	cpc-version	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 198 (C6H, version not supported).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 198 (C6H, version not supported).	Per GGSN service.	Standard
gtpc	cpc-srv-not-supp	INT32	Incremental	active	The total number of reject Create PDP Context Response messages transmitted to the SGSN(s) sent with a cause code of 200 (C8H, service not Supported).	Increments: When Create PDP Context Response message is transmitted to the SGSN(s) sent with a cause code of 200 (C8H, service not Supported).	Per GGSN service.	Standard
gtpc	disc-sgsn	INT32	Incremental	active	The total number of sessions released by SGSN(s).	Increments: When a session is released by SGSN.	Per GGSN service.	Standard
gtpc	disc-path-fail	INT32	Incremental	active	The total number of session releases that occurred due to path failure.	Increments: When a session is released due to path failure.	Per GGSN service.	Standard
gtpc	disc-lpfallbacktimeout	INT64	Incremental	active	The total number of IP CAN session releases that occurred due to local policy timeout.	Increments: When an IP CAN session is released due to local policy timeout.	Per GGSN service.	Standard
gtpc	disc-smgr-dead	INT32	Incremental	active	The total number of sessions released due to the termination of the session manager that was facilitating them.	Increments: When session is released due to the termination of the session manager that was facilitating it.	Per GGSN service.	Standard
gtpc	disc-admin	INT32	Incremental	active	The number of sessions for which the system initiated the disconnection.	Increments: When system initiates the disconnection of a session.	Per GGSN service.	Standard
gtpc	disc-other	INT32	Incremental	active	The total number of sessions released due to other reasons.	Increments: When a session is released due to other reasons.	Per GGSN service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	disc-teardown	INT32	Incremental	active	The total number of sessions disconnected normally.	Increments: When a session disconnects normally.	Per GGSN service.	Standard
gtpc	disc-idle	INT32	Incremental	active	The total number of sessions released due to the expiration of the idle timeout period as specified in the APN configuration.	Increments: When a session is released due to the expiration of the idle timeout period as specified in the APN configuration.	Per GGSN service.	Standard
gtpc	disc-absolute	INT32	Incremental	active	The total number of sessions released due to the expiration of the absolute timeout period as specified in the APN configuration.	Increments: When a session is released due to the expiration of the absolute timeout period as specified in the APN configuration.	Per GGSN service.	Standard
gtpc	disc-src-addr	INT32	Incremental	active	The total number of sessions released due to source address violations.	Increments: When a session is released due to source address violations.	Per GGSN service.	Standard
gtpc	disc-flow-add	INT32	Incremental	active	The total number of sessions released reason due to flow addition failures.	Increments: When a session is released due to flow addition failures.	Per GGSN service.	Standard
gtpc	disc-dhcp-renew-fail	INT32	Incremental	active	The total number of sessions released due to failed DHCP lease renewal.	Increments: When a session is released due to failed DHCP lease renewal.	Per GGSN service.	Standard
gtpc	disc-long-durn	INT32	Incremental	active	The total number of sessions released due to the expiration of the long duration timeout period.	Increments: When a session is released due to the expiration of the long duration timeout period.	Per GGSN service.	Standard
gtpc	disc-aborted	INT32	Incremental	active	The total number of sessions released due to miscellaneous call abort conditions.	Increments: When a session is released due to miscellaneous call abort conditions.	Per GGSN service.	Standard
gtpc	disc-apn-rmvd	INT32	Incremental	active	The total number of sessions released due to the removal of an APN\\'s configuration.	Increments: When a session is released due to the removal of an APN\\'s configuration.	Per GGSN service.	Standard
gtpc	pdu-notif	INT32	Incremental	active	The total number of PDU Notification Request messages transmitted to the SGSN(s).	Increments: When PDU Notification Request message is transmitted to the SGSN(s).	Per GGSN service.	Standard
gtpc	pdu-notif-accept	INT32	Incremental	active	The total number of PDU Notification Response messages received from the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increments: When a PDU Notification Response message is received from the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Per GGSN service.	Standard
gtpc	pdu-notif-deny	INT32	Incremental	active	The total number of deny PDU Notification Response messages received from the SGSN(s).	Increments: When a deny PDU Notification Response message is received from the SGSN(s).	Per GGSN service.	Standard
gtpc	pdu-notif-rej	INT32	Incremental	active	The total number of PDU Notification Reject Request messages received from the SGSN(s).	Increments: When a PDU Notification Reject Request message is received from the SGSN(s).	Per GGSN service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	pdu-notif-rej-accept	INT32	Incremental	active	The total number of PDU Notification Reject Response messaged transmitted to the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Increments: When a PDU Notification Reject Response message is transmitted to the SGSN(s) containing a cause value of 128 (80H, Request accepted).	Per GGSN service.	Standard
gtpc	pdu-notif-rej-deny	INT32	Incremental	active	The total number of deny PDU Notification Reject Response messages transmitted to the SGSN(s).	Increments: When a deny PDU Notification Reject Response message is tranmitted to the SGSN(s).	Per GGSN service.	Standard
gtpc	pdu-notif-rej-discard	INT32	Incremental	active	The total number of PDU Notification Reject Request messages discarded by the GGSN without any response transmitted to the SGSN(s).	Increments when a PDU Notification Reject Request message is discarded by the GGSN without any response transmitted to the SGSN(s)	Per GGSN Service	Standard
gtpc	num-dt-established	INT32	Incremental	active	The total number of direct tunnels established between RNC and GGSN.	Increments : Whenever a direct tunnel is established between RNC and GGSN	Per GGSN Service	Standard
gtpc	num-dt-torn-by-sgsn	INT32	Incremental	active	The total number of established direct tunnels between RNC and GGSN torn by SGSN.	Increments : Whenever the direct tunnel between RNC and GGSN is torn by SGSN	Per GGSN Service	Standard
gtpc	num-dt-recv-err-ind	INT32	Incremental	active	The total number of direct tunnels requests received from SGSN with error indication.	Increments : Whenever the direct tunnel request was received from SGSN with Error Indication	Per GGSN Service	Standard
gtpc	sri-req	INT32	Incremental	active	The total number of Send Routing Information (SRI) for GPRS messages transmitted to the HLR(s).	Increments : Whenever the Send Routing Information (Location Management) request message is transmitted to the HLR(s)	Per GGSN Service	Standard
gtpc	sri-accept	INT32	Incremental	active	The total number of Send Routing Info for GPRS Ack messages received from the HLR(s) containing a cause value of 128 (80H, Request accepted).	Increments : Whenever when a successful Ack is received from the HLR(s) for the Send Routing Information (Location Management) message	Per GGSN Service	Standard
gtpc	sri-deny	INT32	Incremental	active	The total number of deny Send Routing Info for GPRS Ack messages received from the HLR(s).	Increments : Whenever a failure message is received from the HLR(s) for the Send Routing Information (Location Management) message	Per GGSN Service	Standard
gtpc	fail-rep	INT32	Incremental	active	The total number of Failure reports transmitted to the HLR(s).	Increments : Whenever the Failure report (Location Management) message is transmitted to the HLR(s)	Per GGSN Service	Standard
gtpc	fail-rep-accept	INT32	Incremental	active	The total number of Failure reports received from the HLR(s) containing a cause value of 128 (80H, Request accepted).	Increments : Whenever a successful Ack is received from the HLR(s) for the Failure Report (Location Management)message	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	fail-rep-deny	INT32	Incremental	active	The total number of deny Failure reports received from the HLR(s).	Increments : Whenever a failure message is received from the HLR(s) for the Failure Report (Location Management) message	Per GGSN Service	Standard
gtpc	note-ms-gprs	INT32	Incremental	active	The total number of Note MS GPRS Present messages received from the HLR(s).	Increments : Whenever the Note MS GPRS Present (Location Management) message is received from the HLR(s)	Per GGSN Service	Standard
gtpc	note-ms-gprs-accept	INT32	Incremental	active	The total number of Note MS GPRS Present Response messages transmitted to the HLR(s) containing a cause value of 128 (80H, Request accepted).	Increments : Whenever a successful Note MS GPRS Present (Location Management) response message is transmitted to the HLR(s)	Per GGSN Service	Standard
gtpc	note-ms-gprs-deny	INT32	Incremental	active	The total number of deny Note MS GPRS Present Response messages transmitted to the HLR(s).	Increments : Whenever the Note MS GPRS Present (Location Management) response message is transmitted to the HLR(s) indicating denial	Per GGSN Service	Standard
gtpc	note-ms-gprs-discard	INT32	Incremental	active	The total number of Note MS GPRS Present messages discarded with no response transmitted to the HLR(s).	Increments when a Note MS GPRS Present messages is discarded with no response transmitted to the HLR(s)	Per GGSN Service	Standard
gtpc	qosconv-bytes-in	INT64	Incremental	active	The total number of Conversational Uplink Bytes Sent	Increments : Whenever Uplink byte is sent of Conversational Traffic type	Per GGSN Service	Standard
gtpc	qosconv-pkts-in	INT64	Incremental	active	The total number of Conversational Uplink Pkts Sent	Increments : Whenever Uplink packet is sent of Conversational Traffic type	Per GGSN Service	Standard
gtpc	qosconv-bytes-out	INT64	Incremental	active	The total number of Conversational Downlink Bytes Rcvd	Increments : Whenever Downlink byte is received of Conversational Traffic type	Per GGSN Service	Standard
gtpc	qosconv-pkts-out	INT64	Incremental	active	The total number of Conversational Downlink Pkts Rcvd	Increments : Whenever Downlink packet is received of Conversational Traffic type	Per GGSN Service	Standard
gtpc	qosstrm-bytes-in	INT64	Incremental	active	The total number of Streaming Uplink Bytes Sent	Increments: Whenever Uplink byte is sent of Streaming Traffic type	Per GGSN Service	Standard
gtpc	qosstrm-pkts-in	INT64	Incremental	active	The total number of Streaming Uplink Pkts Sent	Increments: Whenever Uplink packet is sent of Streaming Traffic type	Per GGSN Service	Standard
gtpc	qosstrm-bytes-out	INT64	Incremental	active	The total number of Streaming Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received of Streaming Traffic type	Per GGSN Service	Standard
gtpc	qosstrm-pkts-out	INT64	Incremental	active	The total number of Streaming Downlink Pkts Rcvd	Increments: Whenever Downlink packet is received of Streaming Traffic type	Per GGSN Service	Standard
gtpc	qosint1-bytes-in	INT64	Incremental	active	The total number of Interactive 1 Uplink Bytes Sent	Increments: Whenever Uplink byte is sent of Interactive 1 Traffic type	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	qosint1-pkts-in	INT64	Incremental	active	The total number of Interactive 1 Uplink Pkts Sent	Increments: Whenever Uplink packet is sent of Interactive 1 Traffic type	Per GGSN Service	Standard
gtpc	qosint1-bytes-out	INT64	Incremental	active	The total number of Interactive 1 Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received of Interactive 1 Traffic type	Per GGSN Service	Standard
gtpc	qosint1-pkts-out	INT64	Incremental	active	The total number of Interactive 1 Downlink Pkts Rcvd	Increments: Whenever Downlink packet is received of Interactive 1 Traffic type	Per GGSN Service	Standard
gtpc	qosint2-bytes-in	INT64	Incremental	active	The total number of Interactive 2 Uplink Bytes Sent	Increments: Whenever Uplink byte is sent of Interactive 2 Traffic type	Per GGSN Service	Standard
gtpc	qosint2-pkts-in	INT64	Incremental	active	The total number of Interactive 2 Uplink Pkts Sent	Increments: Whenever Uplink packet is sent of Interactive 2 Traffic type	Per GGSN Service	Standard
gtpc	qosint2-bytes-out	INT64	Incremental	active	The total number of Interactive 2 Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received of Interactive 2 Traffic type	Per GGSN Service	Standard
gtpc	qosint2-pkts-out	INT64	Incremental	active	The total number of Interactive 2 Downlink Pkts Rcvd	Increments: Whenever Downlink packet is received of Interactive 2 Traffic type	Per GGSN Service	Standard
gtpc	qosint3-bytes-in	INT64	Incremental	active	The total number of Interactive 3 Uplink Bytes Sent	Increments: Whenever Uplink byte is sent of Interactive 3 Traffic type	Per GGSN Service	Standard
gtpc	qosint3-pkts-in	INT64	Incremental	active	The total number of Interactive 3 Uplink Pkts Sent	Increments: Whenever Uplink packet is sent of Interactive 3 Traffic type	Per GGSN Service	Standard
gtpc	qosint3-bytes-out	INT64	Incremental	active	The total number of Interactive 3 Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received of Interactive 3 Traffic type	Per GGSN Service	Standard
gtpc	qosint3-pkts-out	INT64	Incremental	active	The total number of Interactive 3 Downlink Pkts Rcvd	Increments: Whenever Downlink packet is received of Interactive 3 Traffic type	Per GGSN Service	Standard
gtpc	qosint-bytes-in	INT64	Incremental	active	The total number of Interactive 1+2+3 Uplink Bytes Sent	Increments: Whenever Uplink byte is sent for either of the Interactive 1,2,3 Traffic types	Per GGSN Service	Standard
gtpc	qosint-pkts-in	INT64	Incremental	active	The total number of Interactive 1+2+3 Uplink Pkts Sent	Increments: Whenever Uplink packet is sent for either of the Interactive 1,2,3 Traffic types	Per GGSN Service	Standard
gtpc	qosint-bytes-out	INT64	Incremental	active	The total number of Interactive 1+2+3 Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received for either of the Interactive 1,2,3 Traffic types	Per GGSN Service	Standard
gtpc	qosint-pkts-out	INT64	Incremental	active	The total number of Interactive 1+2+3 Downlink Pkts Rcvd	Increments: Whenever Downlink packet is received for either of the Interactive 1,2,3 Traffic types	Per GGSN Service	Standard
gtpc	qosback-bytes-in	INT64	Incremental	active	The total number of Background Uplink Bytes Sent	Increments: Whenever Uplink byte is sent of Background Traffic type	Per GGSN Service	Standard
gtpc	qosback-pkts-in	INT64	Incremental	active	The total number of Background Uplink Pkts Sent	Increments: Whenever Uplink packet is sent of Background Traffic type	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	qosback-bytes-out	INT64	Incremental	active	The total number of Background Downlink Bytes Rcvd	Increments: Whenever Downlink byte is received of Background Traffic type	Per GGSN Service	Standard
gtpc	qosback-pkts-out	INT64	Incremental	active	The total number of Background Downlink Pkts Rcvd	Increments: Whenever Downlink packet is recevied of Background Traffic type	Per GGSN Service	Standard
gtpc	ctrl-num-bytes-in	INT64	Incremental	active	The total number of bytes for control packets received on the Gn and/or Gp interface.	Increments: Whenever a byte corresponding to a control packet is received on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	ctrl-num-pkts-in	INT64	Incremental	active	The total number of control packets received on the Gn and/or Gp interface.	Increments: Whenever a control packet is received on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	ctrl-num-bytes-out	INT64	Incremental	active	The total number of bytes from control packets transmitted on the Gn and/or Gp interface.	Increments: Whenever a byte corresponding to a control packet is transmitted on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	ctrl-num-pkts-out	INT64	Incremental	active	The total number of control packets transmitted on the Gn and/or Gp interface.	Increments: Whenever a control packet is transmitted on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	num-bytes-in	INT64	Incremental	active	The total number of data bytes received on the Gn and/or Gp interface.	Increments: Whenever a byte corresponding to a data packet is received on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	num-pkts-in	INT64	Incremental	active	The total number of data packets received on the Gn and/or Gp interface.	Increments: Whenever a data packet is received on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	num-bytes-out	INT64	Incremental	active	The total number of data bytes transmitted on the Gn and/or Gp interface.	Increments: Whenever a byte corresponding to a data packet is transmitted on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	num-pkts-out	INT64	Incremental	active	The total number of data packets transmitted on the Gn and/or Gp interface.	Increments: Whenever a data packet is transmitted on the Gn and/or Gp interface	Per GGSN Service	Standard
gtpc	current-mbms-ue	INT32	Gauge	active	The total number of current MBMS UE sessions.	Increments : Whenever a new MBMS UE session is created , Decrements : Whenever an existing MBMS UE session is purged	Per GGSN Service	Standard
gtpc	current-mbms-mcast	INT32	Gauge	active	The total number of current MBMS Multicast sessions.	Increments : Whenever a new MBMS multicast session is created , Decrements : Whenever an existing MBMS multicast session is purged	Per GGSN Service	Standard
gtpc	current-mbms-bcast	INT32	Gauge	active	The total number of current MBMS Broadcast sessions.	Increments : Whenever a new MBMS broadcast session is created , Decrements : Whenever an existing MBMS broadcast session is purged	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	setup-mbms-ue	INT32	Incremental	active	The total number of MBMS UE Sessions setup.	Increments : Whenever a new MBMS UE session is created	Per GGSN Service	Standard
gtpc	setup-mbms-mcast	INT32	Incremental	active	The total number of MBMS Multicast Sessions setup.	Increments : Whenever a new MBMS Multicast Session is created	Per GGSN Service	Standard
gtpc	setup-mbms-bcast	INT32	Incremental	active	The total number of MBMS Broadcast Sessions setup	Increments : Whenever a new MBMS Broadcast Session is created	Per GGSN Service	Standard
gtpc	chap-auth-attempt	INT32	Incremental	active	The total number of CHAP Auth sessions attempted.	Increments : Whenever a CHAP Auth session is attempted	Per GGSN Service	Standard
gtpc	chap-auth-success	INT32	Incremental	active	The total number of CHAP Auth sessions successful	Increments : Whenever a CHAP Auth session is successful	Per GGSN Service	Standard
gtpc	chap-auth-failure	INT32	Incremental	active	The total number of CHAP Auth sessions failed	Increments : Whenever a CHAP Auth session fails	Per GGSN Service level	Standard
gtpc	pap-auth-attempt	INT32	Incremental	active	The total number of PAP Auth sessions attempted	Increments : Whenever a PAP Auth session is attempted	Per GGSN Service	Standard
gtpc	pap-auth-success	INT32	Incremental	active	The total number of PAP Auth sessions successful	Increments : Whenever a PAP Auth session is successful	Per GGSN Service	Standard
gtpc	pap-auth-failure	INT32	Incremental	active	The total number of PAP Auth sessions failed	Increments : Whenever a PAP Auth session fails	Per GGSN Service	Standard
gtpc	no-auth	INT32	Incremental	active	The total number of No-Auth sessions.	Increments : Whenever a No Auth session is created	Per GGSN Service	Standard
gtpc	err-ind	INT32	Incremental	active	Total sessions released on Error Indication	Increments : Whenever a session is released on receiving Error Indication	Per GGSN Service	Standard
gtpc	ctxt-replace	INT32	Incremental	active	Total sessions released due to context replacement.	Increments : Whenever a session is released due to context replacement	Per GGSN Service	Standard
gtpc	purge-audit	INT32	Incremental	active	Total sessions purged due to audit failure	Increments : Whenever a session is purged because of audit failure	Per GGSN Service	Standard
gtpc	update-handoff-rej	INT32	Incremental	active	Total sessions released due to handoff reject in UPC	Increments : Whenever a session is released due to handoff reject in UPC	Per GGSN Service	Standard
gtpc	total-handoff-fail	INT32	Incremental	active	Total path failure due to handoff	Increments when a path failure is encountered due to handoff	Per GGSN Service	Standard
gtpc	total-path-fail	INT32	Incremental	active	Total sessions released because of path failure	Increments : Whenever a session is released due to path failure	Per GGSN Service	Standard
gtpc	sgsn-restart-cpc-req	INT32	Incremental	active	Total sessions released because of path failure due to SGSN restart detected via Echo Rsp	Increments : Whenever a session is released due to path failure detected via CPC	Per GGSN Service	Standard
gtpc	sgsn-restart-upc-req	INT32	Incremental	active	Total sessions released because of path failure due to SGSN restart detected via UPC	Increments : Whenever a session is released due to path failure detected via UPC	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	sgsn-restart-echo-rsp	INT32	Incremental	active	Total path failure due to SGSN restart detected via Echo Rsp	Increments : Whenever a session is released because of path failure due to SGSN restart detected via Echo Rsp	Per GGSN Service	Standard
gtpc	gtpc-echo-timeout	INT32	Incremental	active	Total sessions released because of path failure due to GTPC Echo timeout	Increments : Whenever a session is released because of path failure due to GTPC Echo timeout	Per GGSN Service	Standard
gtpc	gtpu-echo-timeout	INT32	Incremental	active	Total sessions released because of path failure due to GTPU Echo timeout	Increments : Whenever a session is released because of path failure due to GTPU Echo timeout	Per GGSN Service	Standard
gtpc	ggsn-req-timeout	INT32	Incremental	active	Total sessions released because of path failure due to GGSN request timeout	Increments : Whenever a session is released because of path failure due to GGSN request timeout	Per GGSN Service	Standard
gtpc	version-not-sup-rx	INT32	Incremental	active	Version not supported received	Increments : Whenever a version not supported message is received	Per GGSN Service	Standard
gtpc	version-not-sup-tx	INT32	Incremental	active	Version not supported transmitted	Increments : Whenever a Version not supported message is sent	Per GGSN Service	Standard
gtpc	sup-ext-header-rx	INT32	Incremental	active	Extension header supported received	Increments when extension header supported is receieved.	Per GGSN Service	Standard
gtpc	sup-ext-header-tx	INT32	Incremental	active	Extension header supported transmitted	Increments when extension header supported is transmitted.	Per GGSN Service	Standard
gtpc	cmc-total	INT32	Incremental	active	The total number of Create MBMS Context request messages received.	Increments when MBMS context request message is created.	Per GGSN Service	Standard
gtpc	cmc-initial	INT32	Incremental	active	The total number of initial Create MBMS Context request messages received.	Increments when a MBMS context request message is received.	Per GGSN Service	Standard
gtpc	cmc-retrans	INT32	Incremental	active	The total number of retransmitted Create MBMS Context request messages received.	Increments when MBMS context request message is retransmitted.	Per GGSN Service	Standard
gtpc	cmc-accept	INT32	Incremental	active	The total number of Create MBMS Context request messages accepted by the GGSN.	Increments when MBMS context request message is accepted.	Per GGSN Service	Standard
gtpc	cmc-deny	INT32	Incremental	active	The total number of Create MBMS Context request messages denied by the GGSN.	Increments when MBMS context request message is denied	Per GGSN Service	Standard
gtpc	cmc-discard	INT32	Incremental	active	The total number of Create MBMS Context request messages discarded by the GGSN.	Increments when MBMS context request message is discarded by GGSN	Per GGSN Service	Standard
gtpc	umc-rx	INT32	Incremental	active	The total number of Update MBMS Context request messages received.	Increments when update MBMS context request message is received	Per GGSN Service	Standard
gtpc	umc-rx-accept	INT32	Incremental	active	The total number of Update MBMS Context request messages accepted by the GGSN.	Increments when update MBMS context request message is accepted by GGSN	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	umc-rx-deny	INT32	Incremental	active	The total number of Update MBMS Context request received messages denied by the GGSN.	Increments when update MBMS context request received message is denied by GGSN	Per GGSN Service	Standard
gtpc	umc-rx-discard	INT32	Incremental	active	The total number of Update MBMS Context request received messages discarded by the GGSN	Increments when update MBMS context request received message is discarded by GGSN	Per GGSN Service	Standard
gtpc	dmc-rx	INT32	Incremental	active	The total number of Delete MBMS Context request messages received.	Increments when Delete MBMS context request message is received.	Per GGSN Service	Standard
gtpc	dmc-rx-accept	INT32	Incremental	active	The total number of Delete MBMS Context request received messages are accepted by the GGSN.	Increments when Delete MBMS context request received message is accepted by GGSN	Per GGSN Service	Standard
gtpc	dmc-rx-deny	INT32	Incremental	active	The total number of Delete MBMS Context request received messages are denied by the GGSN.	Increments when Delete MBMS context request received message is discarded by GGSN	Per GGSN Service	Standard
gtpc	dmc-rx-discard	INT32	Incremental	active	The total number of Delete MBMS Context request received messages are discarded by the GGSN.	Increments when Delete MBMS context request received message is discarded by GGSN	Per GGSN Service	Standard
gtpc	dmc-tx	INT32	Incremental	active	The total number of Delete MBMS Context request messages are transmitted.	Increments when Delete MBMS Context request message is transmitted.	Per GGSN Service	Standard
gtpc	dmc-tx-accept	INT32	Incremental	active	The total number of Delete MBMS Context request messages accepted by the SGSN.	Increments when Delete MBMS context request message is accepted by SGSN.	Per GGSN Service	Standard
gtpc	dmc-tx-deny	INT32	Incremental	active	The total number of Delete MBMS Context request messages denied by the SGSN.	Increments when Delete MBMS context request message is denied by SGSN.	Per GGSN Service	Standard
gtpc	mbms-reg-req-total	INT32	Incremental	active	The total number of MBMS Registration Request messages received.	Increments when MBMS Registration Request message is received.	Per GGSN Service	Standard
gtpc	mbms-reg-req-initial	INT32	Incremental	active	The total number of initial MBMS Registration Request messages received.	Increments when initial MBMS Registration Request message is received.	Per GGSN Service	Standard
gtpc	mbms-reg-req-retrans	INT32	Incremental	active	The total number of retransmitted MBMS Registration Request messages received.	Increments when initial MBMS Registration Request message is restransmitted.	Per GGSN Service	Standard
gtpc	mbms-reg-req-accept	INT32	Incremental	active	The total number of MBMS Registration Request messages accepted by the GGSN.	Increments whenever MBMS Registration Request message is accepted by GGSN.	Per GGSN Service	Standard
gtpc	mbms-reg-req-deny	INT32	Incremental	active	The total number of MBMS Registration Request messages denied by the GGSN.	Increments whenever MBMS Registration Request message is denied by GGSN.	Per GGSN Service	Standard
gtpc	mbms-reg-req-discard	INT32	Incremental	active	The total number of MBMS Registration Request messages discarded by the GGSN.	Increments whenever MBMS Registration Request message is discarded by GGSN.	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	mbms-ses-start-tx	INT32	Incremental	active	The total number of MBMS Session Start Request messages transmitted.	Increments: Whenever MBMS Session Start Request message is transmitted	Per GGSN Service	Standard
gtpc	mbms-ses-start-tx-accept	INT32	Incremental	active	The total number of MBMS Session Start Request messages accepted by the SGSN.	Increments: Whenever MBMS Session Start Request message sent by GGSN is accepted by SGSN	Per GGSN Service	Standard
gtpc	mbms-ses-start-tx-deny	INT32	Incremental	active	The total number of MBMS Session Start Request messages denied by the SGSN.	Increments: Whenever MBMS Session Start Request message is denied by the SGSN	Per GGSN Service	Standard
gtpc	mbms-ses-stop-tx	INT32	Incremental	active	The total number of MBMS Session Stop Request messages transmitted.	Increments: Whenever MBMS Session Stop Request message is transmitted	Per GGSN Service	Standard
gtpc	mbms-ses-stop-tx-accept	INT32	Incremental	active	The total number of MBMS Session Stop Request messages accepted by the SGSN.	Increments: Whenever MBMS Session Stop Request message is accepted by the SGSN	Per GGSN Service	Standard
gtpc	mbms-ses-stop-tx-deny	INT32	Incremental	active	The total number of MBMS Session Stop Request messages denied by the SGSN.	Increments: Whenever MBMS Session Stop Request message is denied by the SGSN	Per GGSN Service	Standard
gtpc	mbms-dereg-rx	INT32	Incremental	active	The total number of MBMS De-Registration Request messages received.	Increments: Whenever MBMS De-Registration Request message is received	Per GGSN Service	Standard
gtpc	mbms-dereg-rx-accept	INT32	Incremental	active	The total number of MBMS De-Registration Request messages accepted by the GGSN.	Increments: Whenever MBMS De-Registration Request message is accepted by the GGSN	Per GGSN Service	Standard
gtpc	mbms-dereg-rx-deny	INT32	Incremental	active	The total number of MBMS De-Registration Request messages denied by the GGSN.	Increments: Whenever MBMS De-Registration Request message is denied by the GGSN	Per GGSN Service	Standard
gtpc	mbms-dereg-rx-discard	INT32	Incremental	active	The total number of MBMS De-Registration Request messages discarded by the GGSN.	Increments: Whenever MBMS De-Registration Request message is discarded by the GGSN	Per GGSN Service	Standard
gtpc	mbms-dereg-tx	INT32	Incremental	active	The total number of MBMS De-Registration Request messages transmitted.	Increments: Whenever MBMS De-Registration Request message is transmitted	Per GGSN Service	Standard
gtpc	mbms-dereg-tx-accept	INT32	Incremental	active	The total number of MBMS De-Registration Request messages accepted by the SGSN.	Increments: Whenever MBMS De-Registration Request message is accepted by the SGSN	Per GGSN Service	Standard
gtpc	mbms-dereg-tx-deny	INT32	Incremental	active	The total number of MBMS De-Registration Request messages denied by the SGSN.	Increments: Whenever MBMS De-Registration Request message is denied by the SGSN	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	sess-in-preservation-mode	INT32	Incremental	active	The total number of sessions in Preservation-Mode. This is a customer specific support only.	Increments: Whenever a session get transitioned into Preservation mode.	Per GGSN Service	Standard
gtpc	transition-to-preservation-mode	INT32	Incremental	active	The total number of sessions in transition from Non-Preservation mode (normal mode) to Preservation-Mode. This is a customer specific support only.	Increments: Whenever a sessions is in transition from Non-Preservation mode (normal mode) to Preservation-Mode	Per GGSN Service	Standard
gtpc	transition-to-non-preservation-mode	INT32	Incremental	active	The total number of sessions in transition from Preservation Mode to normal mode. This is a customer specific support only.	Increments: Whenever session is in transition from Preservation Mode to Normal mode.	Per GGSN Service	Standard
gtpc	sess-in-lorc	INT32	Incremental	active	Indicates the number of GGSN session are in LORC state and subscriber is in out of radio coverage area. This counter is applicable when GGSN is enabled for overcharging protection for subscriber due to loss of radio coverage and SGSN notifies Update PDP Contexts for QOS change with GTP-C extension for LORC.	Increments: Whenever SGSN notifies Update PDP Contexts for QOS change with GTP-C extension for LORC. applicable only when GGSN is enabled for overcharging protection.	Per GGSN Service	Standard
gtpc	transition-to-lorc	INT32	Incremental	active	Indicates total number sessions in transitions state for overcharging protection support mode. This counter is applicable when GGSN is enabled for overcharging protection for subscriber due to loss of radio coverage and SGSN notifies Update PDP Contexts for QOS change with GTP-C extension for LORC.	Increments: Whenever SGSN notifies Update PDP Contexts for QOS change with GTP-C extension for LORC. And sesion is in transition state.	Per GGSN Service	Standard
gtpc	sess-in-focs	INT32	Incremental	active	Total number of session Free of charge service.	Increments: Whenever session comes with Free of charge service extn	Per GGSN Service	Standard
gtpc	cnt-of-release-due-to-other	INT32	Incremental	active	Total number of session release due to reasons other than listed in this table.	Increments: Whenever session is released due to reasons other than listed in this table	Per GGSN Service	Standard
gtpc	cnt-of-release-due-to-violation	INT32	Incremental	active	Total number of session release due to service violation.	Increments: Whenever session is released due to service violation	Per GGSN Service	Standard
gtpc	sess-in-odb	INT32	Incremental	active	Indicates the total number of sessions with Operator Determined Barring enabled status.	Increments: Whenever sessions comes with Operator Determined Barring enabled status	Per GGSN Service	Standard
gtpc	cnt-of-release-due-to-violation-odb	INT32	Incremental	active	Indicates the statistics for sessions, with Operator Determined Barring enabled status, released due to violation of ODB conditions.	Increments: Whenever session comes with Operator Determined Barring enabled status, released due to violation of ODB conditions	Per GGSN Service	Standard
gtpc	cnt-of-release-due-to-other-odb	INT32	Incremental	active	Indicates the total number of sessions, with Operator Determined Barring enabled status, released due to reasons not specified in this table.	Increments: Whenever session comes with Operator Determined Barring enabled status, released due to reasons not specified in this table	Per GGSN Service	Standard
gtpc	sess-in-focs-and-odb	INT32	Incremental	Obsolete	NONE	NONE	NONE	Standard
gtpc	cnt-of-release-due-to-violation-focs-and-odb	INT32	Incremental	Obsolete	NONE	NONE	NONE	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	cnt-of-release-due-to-other-focs-and-odb	INT32	Incremental	Obsolete	NONE	NONE	NONE	Standard
gtpc	ipca-pdp-context-tx	INT32	Incremental	active	Total number of Secondary PDP context activation requests(for network requested bearer control) sent for an Initiate PDP Context Activation.	This counter is incremented when Secondary PDP context activation request(for network requested bearer control) is sent for an Initiate PDP Context Activation	Per GGSN Service	Standard
gtpc	ipca-pdp-context-tx-accepted	INT32	Incremental	active	Total number of Secondary PDP context activation requests(for network requested bearer control) sent and accepted for an Initiate PDP Context Activation.	This counter is incremented when a Secondary PDP context activation request(for network requested bearer control) is sent and accepted for Initiate PDP Context Activation	Per GGSN Service	Standard
gtpc	ipca-pdp-context-tx-denied	INT32	Incremental	active	Total number of Secondary PDP context activation requests(for network requested bearer control) denied for an Initiate PDP Context Activation.	This counter is incremented when a Secondary PDP context activation request(for network requested bearer control) is denied for an Initiate PDP Context Activation.	Per GGSN Service	Standard
gtpc	ipca-reject-rx-no-resources	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to no resource available on remote node.	This counter is incremented when an Initiate Secondary PDP context Activation reject message(for network requested bearer control) is received due to no resource available on remote node	Per GGSN Service	Standard
gtpc	ipca-reject-rx-no-mem-avail	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to no memory available on remote node.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to no memory available on remote node	Per GGSN Service	Standard
gtpc	ipca-reject-rx-sys-failure	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to system failure on remote node.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to system failure on remote node	Per GGSN Service	Standard
gtpc	ipca-reject-rx-non-existent	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to non-existent session/subscriber on remote node.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to non-existent session/subscriber on remote node	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	ipca-reject-rx-unsupported-service	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received as service is not supported on on remote node.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received because service is not supported on on remote node	Per GGSN Service	Standard
gtpc	ipca-reject-rx-invalid-msg-format	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to invalid message format.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to invalid message format	Per GGSN Service	Standard
gtpc	ipca-reject-rx-semantic-err-in-tft	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to semantic error in Traffic Flow Template (TFT).	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to semantic error in Traffic Flow Template (TFT)	Per GGSN Service	Standard
gtpc	ipca-reject-rx-syntactic-err-in-tft	INT32	Incremental	active	Total number of Initiate PDP Context Activation reject messages received due to syntactic error in Traffic Flow Template (TFT)	Increments when a reject message for Initiate PDP Context Activation is received due to syntactic error in TFT	Per GGSN Service	Standard
gtpc	ipca-reject-rx-man-ie-incorrect	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to incorrect information in mandatory information elements (IEs).	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to incorrect information in mandatory information elements (IEs)	Per GGSN Service	Standard
gtpc	ipca-reject-rx-semantic-err-in-pac-filter	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to semantic error in PAC filter.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to semantic error in PAC filter	Per GGSN Service	Standard
gtpc	ipca-reject-rx-man-ie-missing	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received as mandatory information element (IE) is missing.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received with mandatory information element (IE) is missing	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	ipca-reject-rx-optional-ie-incorrect	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to incorrect information in optional information elements (IEs).	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to incorrect information in optional information elements (IEs)	Per GGSN Service	Standard
gtpc	ipca-reject-rx-syntactic-err-in-pac-filter	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to syntactic error in PAC filter.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to syntactic error in PAC filter	Per GGSN Service	Standard
gtpc	ipca-reject-rx-ue-not-gprs-rsp	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received as UE is not capable or subscribed to GPRS service.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received as UE is not capable or subscribed to GPRS service	Per GGSN Service	Standard
gtpc	ipca-reject-rx-ue-refuses	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to refusal from UE.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to refusal from UE	Per GGSN Service	Standard
gtpc	ipca-reject-rx-invalid-correlation-id	INT32	Incremental	active	Total number of Initiate Secondary PDP Context Activation reject messages(for network requested bearer control) received due to invalid correlation identifier.	This counter is incremented when an Initiate Secondary PDP Context Activation reject message(for network requested bearer control) is received due to invalid correlation identifier	Per GGSN Service	Standard
gtpc	msgs-out-rate-limited	INT32	Incremental	active	Total number of outgoing messages rate limited.	This counter is incremented when any outgoing message is rate limited	Per GGSN Service	Standard
gtpc	msgs-out-rl-no-delay	INT32	Incremental	active	Total number of outgoing messages no delay.	This counter is incremented when any outgoing message is rate limited and sent without delay	Per GGSN Service	Standard
gtpc	msgs-out-rl-queued	INT32	Incremental	active	Total number of outgoing messages queued.	This counter is incremented when any outgoing message is rate limited and queued	Per GGSN Service	Standard
gtpc	msgs-out-rl-abort-queue	INT32	Incremental	active	Total number of outgoing messages aborted from queue.	This counter is incremented when any outgoing message is rate limited and aborted from queue	Per GGSN Service	Standard
gtpc	msgs-out-rl-throttled	INT32	Incremental	active	Total number of outgoing messages throttled.	This counter is incremented when any outgoing message is rate limited and throttled/dropped	Per GGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpc	msgs-inc-rate-limited	INT32	Incremental	active	Total number of incoming messages rate limited.	This counter is incremented when any GTP new call incoming message is rate limited(added into queue for processing) in egtpinmgr	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-scheduled	INT32	Incremental	active	Total number of new call incoming messages successfully dequeued/scheduled from the egtpinmgr rate limit queue	This counter is incremented when any GTP new call incoming message is rate limited in egtpinmgr and then scheduled/dequeued from egtpinmgr rate limit queue	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-curr-queued	INT32	Incremental	active	Total number of incoming messages queued.	This counter is incremented when any GTP new call incoming message is rate limited and added to pacing queue. This counter will be decremented when the new call message is dequeued from the pacing queue	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-drop-queue	INT32	Incremental	active	Total number of incoming messages dropped from rate limit pacing queue(egtpinmgr) due to queuing delay of that messages exceeding the max wait time.	This counter is incremented when any GTP new call incoming message is rate limited and dropped from pacing queue due to queuing delay of that messages exceeding the max wait time	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-drop-queue-full	INT32	Incremental	active	Total number of messages that were not enqueued in the demuxmgr pacing queue as the queue was full. All such messages are silently dropped.	This counter is incremented when any GTP new call incoming message is dropped with a reason of queue full	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-drop-rate-exceed	INT32	Incremental	active	Total number of messages that were not enqueued in the demuxmgr pacing queue as the msg-rate was exceeded, that is, no more tokens were available for that second. All such messages are silently dropped.	This counter is incremented when any GTP new call incoming message is dropped from queue due to queuing delay of that messages exceeding the max wait time	Per EGTPC service instance	Standard
gtpc	msgs-inc-rl-throttled	INT32	Incremental	active	Total number of incoming throttled messages.	This counter is incremented when any GTP new call incoming message is rate limited and discarded(did not join pacing queue/dropped from pacing queue/not enqueued because max rate exceeded)	Per EGTPC service instance	Standard
gtpp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
gtpp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the GTPP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
gtpp	echo-req-rx	INT32	Incremental	active	The total number of echo requests received.	Not Defined	Not Defined	Standard
gtpp	echo-req-tx	INT32	Incremental	active	The total number of echo requests transmitted.	Not Defined	Not Defined	Standard
gtpp	echo-rsp-rx	INT32	Incremental	active	The total number of echo responses received.	Not Defined	Not Defined	Standard
gtpp	echo-rsp-tx	INT32	Incremental	active	The total number of echo responses transmitted.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	redir-rcvd	INT32	Incremental	active	The total number of Redirection Request messages received.	Not Defined	Not Defined	Standard
gtpp	redir-rsp	INT32	Incremental	active	The total number of Redirection Response messages transmitted.	Not Defined	Not Defined	Standard
gtpp	node-alive	INT32	Incremental	active	The total number of Node Alive Request messages received.	Not Defined	Not Defined	Standard
gtpp	node-alive-rsp	INT32	Incremental	active	The total number of Node Alive Response messages transmitted.	Not Defined	Not Defined	Standard
gtpp	data-rec-trans	INT32	Incremental	active	The total number of Data Record Transfer Request messages transmitted to the CGF(s).	Not Defined	Not Defined	Standard
gtpp	dup-data-rec-trans	INT32	Incremental	active	The total number of data records transmitted marked as potential duplicates.	Not Defined	Not Defined	Standard
gtpp	send-data-rec	INT32	Incremental	active	The total number of Data Record Transfer Request messages transmitted containing a Packet Transfer Command information element of 1 (Send Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	rel-data-rec	INT32	Incremental	active	The total number of Data Record Transfer Request messages transmitted containing a Packet Transfer Command information element of 4 (Release Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	cancel-data-rec	INT32	Incremental	active	The total number of Data Record Transfer Request messages transmitted containing a Packet Transfer Command information element of 3 (Cancel Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	data-rec-trans-rsp	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s).	Not Defined	Not Defined	Standard
gtpp	delete-node	INT32	Incremental	active	The total number of Delete Node Address Request messages sent to the CGF(s).	Not Defined	Not Defined	Standard
gtpp	node-addr	INT32	Incremental	active	The total number of Set Node Address Request messages sent to the CGF(s).	Not Defined	Not Defined	Standard
gtpp	req-accept	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 128 (80H, Request accepted).	Not Defined	Not Defined	Standard
gtpp	req-not-fulfil	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 255 (FFH, Request not fulfilled).	Not Defined	Not Defined	Standard
gtpp	req-malform	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 193 (C1H, Invalid message format).	Not Defined	Not Defined	Standard
gtpp	version-not-supp	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 198 (C6, Version not supported).	Not Defined	Not Defined	Standard
gtpp	serv-not-supp	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 200 (C8H, Service not supported).	Not Defined	Not Defined	Standard
gtpp	mand-ie-err	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 201 (C9H, Mandatory IE incorrect).	Not Defined	Not Defined	Standard
gtpp	mand-ie-miss	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 202 (CAH, Mandatory IE missing).	Not Defined	Not Defined	Standard
gtpp	opt-ie-err	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 203 (CBH, Optional IE incorrect).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	dup-already-fulfil	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 252 (FCH, Request related to possibly duplicated packets already fulfilled).	Not Defined	Not Defined	Standard
gtpp	already-fulfil	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 253 (FDH, Request already fulfilled).	Not Defined	Not Defined	Standard
gtpp	no-resource	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 199 (C7H, No resources available).	Not Defined	Not Defined	Standard
gtpp	sys-fail	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 204 (CCH, System failure).	Not Defined	Not Defined	Standard
gtpp	cdr-dec-error	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 177 (B1H, CDR Decoding Error).	Not Defined	Not Defined	Standard
gtpp	seq-no-incorrect	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF(s) containing a cause information element of 254 (FEH, Incorrect Seq No).	Not Defined	Not Defined	Standard
gtpp	unknown-cause	INT32	Incremental	active	The total number of Data Record Transfer Response messages received from the CGF with Unknown Cause Code.	Not Defined	Not Defined	Standard
gtpp	normal-close	INT32	Incremental	active	The total number of CDRs sent containing a Cause for Record Closing information element of 0 (normal release).	Not Defined	Not Defined	Standard
gtpp	abnormal-close	INT32	Incremental	active	The total number of CDRs sent containing a Cause for Record Closing information element of 4 (abnormal termination).	Not Defined	Not Defined	Standard
gtpp	vol-limit-close	INT32	Incremental	active	The total number of CDRs sent containing a Cause for Record Closing information element of 16 (10H, volume limit).	Not Defined	Not Defined	Standard
gtpp	time-limit-close	INT32	Incremental	active	The total number of CDRs sent containing a Cause for Record Closing information element of 17 (11H, time limit).	Not Defined	Not Defined	Standard
gtpp	open-req	INT32	Incremental	active	The total number of Start-Accounting Request messages received.	Not Defined	Not Defined	Standard
gtpp	aaa-acct-arch	INT32	Incremental	active	The total number of requests currently archived by the system\\'s AAA subsystem.	Not Defined	Not Defined	Standard
gtpp	rdir-sys-fail	INT32	Incremental	active	The total number of Redirection Request messages received from the CGF(s) containing a cause information element of 59 (3BH, System failure).	Not Defined	Not Defined	Standard
gtpp	rdir-txbuf-full	INT32	Incremental	active	The total number of Redirection Request messages received from the CGF(s) containing a cause information element of 60 (3CH, The transmit buffers are becoming full).	Not Defined	Not Defined	Standard
gtpp	rdir-rxbuf-full	INT32	Incremental	active	The total number of Redirection Request messages received from the CGF(s) containing a cause information element of 61 (3DH, The receive buffers are becoming full).	Not Defined	Not Defined	Standard
gtpp	other-node-dn	INT32	Incremental	active	The total number of Redirection Request messages received from the CGF(s) containing a cause information element of 62 (3EH, Another node is about to go down).	Not Defined	Not Defined	Standard
gtpp	self-node-dn	INT32	Incremental	active	The total number of Redirection Request messages received from the CGF(s) containing a cause information element of 63 (3FH, This node is about to go down).	Not Defined	Not Defined	Standard
gtpp	rdir-no-res	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 199 (C7H, No resources available).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	rdir-serv-no	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 200 (C8H, Service not supported).	Not Defined	Not Defined	Standard
gtpp	rdir-version-not-supp	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 198 (C6H, Version not supported).	Not Defined	Not Defined	Standard
gtpp	rdir-mand-ie-miss	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 202 (CAH, Mandatory IE missing).	Not Defined	Not Defined	Standard
gtpp	rdir-mand-ie-err	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 201 (C9H, Mandatory IE incorrect).	Not Defined	Not Defined	Standard
gtpp	rdir-opt-ie-err	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 203 (CBH, Optional IE incorrect).	Not Defined	Not Defined	Standard
gtpp	rdir-malformed	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 193 (C1H, Invalid message format).	Not Defined	Not Defined	Standard
gtpp	rdir-rsp-sys-fail	INT32	Incremental	active	The total number of Redirection Response messages transmitted to the CGF(s) containing a cause information element of 204 (CCH, System failure).	Not Defined	Not Defined	Standard
gtpp	mgmt-int-close	INT32	Incremental	active	indicates that the CDR is generated with cause for record closing as management intervention. e.g when the user does the clear sub or gtpp interim now.	Not Defined	Not Defined	Standard
gtpp	sgsn-chng-close	INT32	Incremental	active	This stat is used to indicate that the CDR is generated at the OLD sgsn with causeForRecClosing as SGSN change. This will happen during ISRAU (Inter SGSN Routing Area Update) scenario wherein the call in old SGSN is transferred to new SGSN and the CDR is generated at the old SGSN indicating that MM context/PDP context is released with causeForRecClosing as SGSN Change. This is applicable only for SGSN.	Not Defined	Not Defined	Standard
gtpp	max-chng-close	INT32	Incremental	active	This indicates that the CDR is released because the container changes are more than the configured value. For example, in SGSN for QOS or tariff time changes a container is added. By default, max change is set to 4. If 4 containers are added then the CDR is released with causeForRecClosing as max change condition.	Not Defined	Not Defined	Standard
gtpp	rat-chng-close	INT32	Incremental	active	This indicates that the partial CDR is released at the GGSN due to the RAT (Radio Access Technology) change. This will happen whenever the user moves from GPRS to UMTS and vice versa. This is applicable only for G-CDR.	Not Defined	Not Defined	Standard
gtpp	ms-tz-chng-close	INT32	Incremental	active	This indicates that the partial CDR is released at the GGSN due to the MS Time zone change. This is applicable only for G-CDR.	Not Defined	Not Defined	Standard
gtpp	list-down-stream-chng-close	INT32	Incremental	active	The total number of CDRs sent containing a Cause for Record Closing information element of 59 (List Of Downstream Node Change).	Not Defined	Not Defined	Standard
gtpp	focs-close	INT32	Incremental	active	Indicates the total number of FOCS enabled sessions closed due to ACL rule violation received for FOCS and/or ODB.	Not Defined	Not Defined	Standard
gtpp	inactivity-close	INT32	Incremental	active	Indicates the total number of FOCS enabled sessions closed due to inactivity timeout.	Not Defined	Not Defined	Standard
gtpp	sgw-reloc-close	INT32	Incremental	active	Indicates the total number of sessions closed due to S-GW to SGSN relocation.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	total-gcdr-xmit	INT32	Incremental	active	This indicates the total number of G-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-scdr-xmit	INT32	Incremental	active	This indicates the total number of S-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-epdgcdr-xmit	INT32	Incremental	active	This indicates the total number of EPDG-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-mcdr-xmit	INT32	Incremental	active	This indicates the total number of M-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-smbmscdr-xmit	INT32	Incremental	active	The total number of S-MB-CDRs transmitted between SGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-gmbcdr-xmit	INT32	Incremental	active	The total number of G-MB-CDRs transmitted between GGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-egcdr-xmit	INT32	Incremental	active	This indicates the total number of eG-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-pgwcdr-xmit	INT32	Incremental	active	This indicates the total number of PGW-CDRs transmitted to the mediation system.	Not Defined	Not Defined	Standard
gtpp	total-gcdr-rexmit	INT32	Incremental	active	This indicates the total number of G-CDRs re-transmitted to the mediation system. This will happen whenever SGSN/GGSN is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-scdr-rexmit	INT32	Incremental	active	This indicates the total number of S-CDRs re-transmitted to the mediation system. This will happen whenever SGSN/GGSN is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-epdgcdr-rexmit	INT32	Incremental	active	This indicates the total number of EPDG-CDRs re-transmitted to the mediation system. This will happen whenever EPDG is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-mcdr-rexmit	INT32	Incremental	active	This indicates the total number of M-CDRs re-transmitted to the mediation system. This will happen whenever SGSN/GGSN is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-smbmscdr-rexmit	INT32	Incremental	active	The total number of S-MB-CDR retransmitted between SGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-gmbcdr-rexmit	INT32	Incremental	active	The total number of G-MB-CDRs retransmitted between GGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-egcdr-rexmit	INT32	Incremental	active	This indicates the total number of eG-CDRs re-transmitted to the mediation system. This will happen whenever SGSN/GGSN is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-pgwcdr-rexmit	INT32	Incremental	active	This indicates the total number of PGW-CDRs re-transmitted to the mediation system. This will happen whenever P-GW/S-GW is not getting the response from the mediation server in a stipulated period of time.	Not Defined	Not Defined	Standard
gtpp	total-gcdr-accept	INT32	Incremental	active	This indicates the total number of G-CDRs successfully sent to the mediation server for which the SGSN/GGSN received the positive response.	Not Defined	Not Defined	Standard
gtpp	total-scdr-accept	INT32	Incremental	active	This indicates the total number of S-CDRs successfully sent to the mediation server for which the SGSN/GGSN received the positive response.	Not Defined	Not Defined	Standard
gtpp	total-epdgcdr-accept	INT32	Incremental	active	This indicates the total number of EPDG-CDRs successfully sent to the mediation server for which the EPDG received the positive response.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	total-mcdr-accept	INT32	Incremental	active	This indicates the total number of M-CDRs successfully sent to the mediation server for which the SGSN/GGSN received the positive response.	Not Defined	Not Defined	Standard
gtpp	total-gmbcdr-accept	INT32	Incremental	active	The total number of G-MB-CDRs accepted between GGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-egcdr-accept	INT32	Incremental	active	This indicates the total number of eG-CDRs successfully sent to the mediation server for which the SGSN/GGSN received the ACCEPT response.	Not Defined	Not Defined	Standard
gtpp	total-pgwcdr-accept	INT32	Incremental	active	This indicates the total number of PGW-CDRs successfully sent to the mediation server for which the P-GW/S-GW received the ACCEPT response.	Not Defined	Not Defined	Standard
gtpp	total-gcdr-fail	INT32	Incremental	active	This indicates the total number of G-CDRs transmission failures.	Not Defined	Not Defined	Standard
gtpp	total-scdr-fail	INT32	Incremental	active	This indicates the total number of S-CDRs transmission failures.	Not Defined	Not Defined	Standard
gtpp	total-epdgcdr-fail	INT32	Incremental	active	This indicates the total number of EPDG-CDRs transmission failures.	Not Defined	Not Defined	Standard
gtpp	total-mcdr-fail	INT32	Incremental	active	This indicates the total number of M-CDRs transmission failures.	Not Defined	Not Defined	Standard
gtpp	total-gmbcdr-fail	INT32	Incremental	active	The total number of G-MB-CDR failed between GGSN and MBMS service.	Not Defined	Not Defined	Standard
gtpp	total-egcdr-fail	INT32	Incremental	active	This indicates the total number of eG-CDRs successfully sent to the mediation server for which the SGSN/GGSN received the FAIL response.	Not Defined	Not Defined	Standard
gtpp	total-pgwcdr-fail	INT32	Incremental	active	This indicates the total number of PGW-CDRs successfully sent to the mediation server for which the P-GW/S-GW received the FAIL response.	Not Defined	Not Defined	Standard
gtpp	cc-char-hot	INT32	Incremental	active	This indicates the CDR released with charging characteristics set as Hot Billing.	Not Defined	Not Defined	Standard
gtpp	cc-char-normal	INT32	Incremental	active	This indicates the CDR released with charging characteristics set as Normal Billing.	Not Defined	Not Defined	Standard
gtpp	cc-char-prepaid	INT32	Incremental	active	This indicates the CDR released with charging characteristics set as Prepaid Billing.	Not Defined	Not Defined	Standard
gtpp	cc-char-flat	INT32	Incremental	active	This indicates the CDR released with charging characteristics set as Flat Billing.	Not Defined	Not Defined	Standard
gtpp	cc-char-unknown	INT32	Incremental	active	This indicates the CDR released with charging characteristics set as Unknown charging characteristics.	Not Defined	Not Defined	Standard
gtpp	data-rec-ret-send	INT32	Incremental	active	The total number of Data Record Transfer Request messages retried containing a Packet Transfer Command information element of 1 (Send Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	data-rec-ret-poss-dup	INT32	Incremental	active	The total number of data records retried marked as potential duplicates with IE of 2. (Send Possibly Duplicate Data Record)	Not Defined	Not Defined	Standard
gtpp	data-rec-ret-cancel	INT32	Incremental	active	The total number of Data Record Transfer Request messages retried containing a Packet Transfer Command information element of 3 (Cancel Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	data-rec-ret-rel	INT32	Incremental	active	The total number of Data Record Transfer Request messages retried containing a Packet Transfer Command information element of 4 (Release Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	data-rec-ret-emp	INT32	Incremental	active	The total number of empty Data Record Transfer Request messages retried containing a Packet Transfer Command information element of 1 (Send Data Record Packet).	Not Defined	Not Defined	Standard
gtpp	data-rec-success-send	INT32	Incremental	active	The total number of successful Data Record Transfer Response messages for Send Data Record Packet Transfer command.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpp	data-rec-success-poss-dup	INT32	Incremental	active	The total number of Successful Data Record Transfer Response messages for Send Poss Dup Data Record Packet Transfer command.	Not Defined	Not Defined	Standard
gtpp	data-rec-success-cancel	INT32	Incremental	active	The total number of Successful Data Record Transfer Response messages for Cancel Data Record Packet Transfer command.	Not Defined	Not Defined	Standard
gtpp	data-rec-success-rel	INT32	Incremental	active	The total number of Successful Data Record Transfer Response messages for Release Data Record Packet Transfer command.	Not Defined	Not Defined	Standard
gtpp	data-rec-success-emp	INT32	Incremental	active	The total number of Successful Data Record Transfer Response messages for Empty Send Data Record Packet Transfer command.	Not Defined	Not Defined	Standard
gtpp	invalid-msg-seq-num	INT32	Incremental	active	The total number of requests with invalid sequence number.	Not Defined	Not Defined	Standard
gtpp	invalid-msg-unknown-cgf	INT32	Incremental	active	The total number of requests with an unknown CGF.	Not Defined	Not Defined	Standard
gtpp	invalid-msg-unknown-msg	INT32	Incremental	active	The total number of requests with an unknown message.	Not Defined	Not Defined	Standard
gtpp	gss-echo-req	INT32	Incremental	active	The total echo request from GSS.	Not Defined	Not Defined	Standard
gtpp	gss-echo-rsp	INT32	Incremental	active	The total echo request response to GSS.	Not Defined	Not Defined	Standard
gtpp	gss-gtpp-req	INT32	Incremental	active	The total GTPP request sent to GSS.	Not Defined	Not Defined	Standard
gtpp	gss-gtpp-req-ret	INT32	Incremental	active	The total GTPP request retried to GSS.	Not Defined	Not Defined	Standard
gtpp	gss-gtpp-rsp	INT32	Incremental	active	The total successful GTPP request response.	Not Defined	Not Defined	Standard
gtpp	gss-gtpp-rsp-failed	INT32	Incremental	active	The total GTPP request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-gcdr-req	INT32	Incremental	active	The total GCDR request sent.	Not Defined	Not Defined	Standard
gtpp	gss-gcdr-req-ret	INT32	Incremental	active	The total GCDR request retried.	Not Defined	Not Defined	Standard
gtpp	gss-gcdr-rsp	INT32	Incremental	active	The total successful GCDR request response.	Not Defined	Not Defined	Standard
gtpp	gss-gcdr-rsp-failed	INT32	Incremental	active	The total GCDR request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-aaaproxy-rec-req	INT32	Incremental	active	The total AAA proxy recover request sent.	Not Defined	Not Defined	Standard
gtpp	gss-aaaproxy-rec-ret	INT32	Incremental	active	The total AAA proxy recover request retried.	Not Defined	Not Defined	Standard
gtpp	gss-aaaproxy-rec-rsp	INT32	Incremental	active	The total successful AAA proxy recover request response.	Not Defined	Not Defined	Standard
gtpp	gss-aaaproxy-rec-rsp-failed	INT32	Incremental	active	The total AAA proxy recover request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-aaamgr-rec-req	INT32	Incremental	active	The total AAA manager recover request sent.	Not Defined	Not Defined	Standard
gtpp	gss-aaamgr-rec-ret	INT32	Incremental	active	The total AAA manager recover request retried.	Not Defined	Not Defined	Standard
gtpp	gss-aaamgr-rec-rsp	INT32	Incremental	active	The total successful AAA manager recover request response.	Not Defined	Not Defined	Standard
gtpp	gss-aaamgr-rec-rsp-failed	INT32	Incremental	active	The total AAA manager recover request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-update-cgf-req	INT32	Incremental	active	The total CGF update request sent.	Not Defined	Not Defined	Standard
gtpp	gss-update-cgf-req-ret	INT32	Incremental	active	The total CGF update request retried.	Not Defined	Not Defined	Standard
gtpp	gss-update-cgf-rsp	INT32	Incremental	active	The total successful CGF update request response.	Not Defined	Not Defined	Standard
gtpp	gss-update-cfg-rsp-failed	INT32	Incremental	active	The total CGF update request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-clear-db-req	INT32	Incremental	active	The total database clear request sent.	Not Defined	Not Defined	Standard
gtpp	gss-clear-db-req-ret	INT32	Incremental	active	The total database clear request retried.	Not Defined	Not Defined	Standard
gtpp	gss-clear-db-rsp	INT32	Incremental	active	The total successful database clear request response.	Not Defined	Not Defined	Standard
gtpp	gss-clear-db-rsp-failed	INT32	Incremental	active	The total database clear request response failed.	Not Defined	Not Defined	Standard
gtpp	gss-update-req	INT32	Incremental	active	The total update request received.	Not Defined	Not Defined	Standard
gtpp	gss-invalid-req-rcvd	INT32	Incremental	active	The total invalid request received from.	Not Defined	Not Defined	Standard
gtpp	gss-cdr-loss	INT32	Incremental	active	The total number of CDRs lost due to failure of remote CDR file streaming.	Not Defined	Not Defined	Standard
gtpp	gss-cdr-loss-traps	INT32	Incremental	active	The total traps when CDRs are lost due to failure of remote CDR file streaming.	Not Defined	Not Defined	Standard
ippool	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the IPPool service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
ippool	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
ippool	addrtype	STRING	Primary-key	active	Not Defined	Not Defined	Not Defined	Standard
ippool	type	STRING	Primary-key	active	The type of IP pool. Output for this variable is one of three characters; P, R, or S: P = Public R = Private S = Static	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ippool	state	STRING	Primary-key	active	The current state of this service.	Not Defined	Not Defined	Standard
ippool	priority	INT32	Primary-key	active	The priority setting for the IP pool.	Not Defined	Not Defined	Standard
ippool	name	STRING	Primary-key	active	The name of the IP pool.	Not Defined	Not Defined	Standard
ippool	used	INT32	Gauge	active	The number of IP addresses that have been assigned from the IP pool.	Not Defined	Not Defined	Standard
ippool	hold	INT32	Gauge	active	The number of IP addresses in the IP pool that are in a hold state.	Not Defined	Not Defined	Standard
ippool	release	INT32	Gauge	active	The number of IP addresses in the IP pool that are in a release state.	Not Defined	Not Defined	Standard
ippool	free	INT32	Gauge	active	The number of IP addresses in the IP pool that are available for use.	Not Defined	Not Defined	Standard
ippool	startaddr	STRING	Gauge	active	The starting address of the IP pool.	Not Defined	Not Defined	Standard
ippool	groupname	STRING	Primary-key	active	The name of the pool group to which the IP pool belongs.	Not Defined	Not Defined	Standard
ippool	groupname-ipv4used	INT32	Gauge	active	IPv4 addresses used in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv4hold	INT32	Gauge	active	IPv4 addresses held in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv4rele	INT32	Gauge	active	IPv4 addresses Release in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv4free	INT32	Gauge	active	Free IPv4 Addresses in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv6used	INT32	Gauge	active	IPv6 addresses used in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv6hold	INT32	Gauge	active	IPv6 addresses held in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv6rels	INT32	Gauge	active	IPv6 addresses Release in the given group name.	Not Defined	Not Defined	Standard
ippool	groupname-ipv6free	INT32	Gauge	active	Free IPv6 Addresses in the given group name.	Not Defined	Not Defined	Standard
apn	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Gets set when a VPN is associated with the interface	Per APN	Standard
apn	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the APN service. This is an internal reference number.	Not Defined	Not Defined	Standard
apn	apn	STRING	Primary-key	active	The name of the APN for which statistics are displayed.	Gets set when an APN is selected	Per APN	Standard
apn	qci	STRING	Primary-key	active	QCI value. This acts as key only for the following packet drop counters(byte counts and packet counts in uplink and downlink direction).	Enabling of stats collection for packet drop counters through stats-profile configuration.	Per APN	Standard
apn	arp	INT32	Primary-key	active	Priority level value of ARP.This acts as a key variable only for QCI level counters. All QCI level counters are maintained with additional granularity of ARP. Cumulative values for the QCI level counters are stored corresponding to ARP value 0.For eg. ARP is valid key for the bulkstats variable qci1-actbear which shows number of active bearers for QCI 1. For ARP key set to 0 ,the cumulative value of all active bearers for QCI 1 will be shown , for ARP key set to 1 the value of active bearers with QCI 1 and ARP 1 will be shown	Enabling of stats collection for the ARP through stats-profile configuration	Per APN	Standard
apn	uplnk-bytes	INT64	Incremental	active	The total number of bytes sent from the APN towards Internet/PDN on the Gi interface.	Increments by the number of bytes (Uplink Data) sent on Gi interface for the APN	Per APN	Standard
apn	dnlnk-bytes	INT64	Incremental	active	The total number of bytes received on the Gi interface for the APN.	Increments by the number of bytes (Downlink Data) received on Gi interface for the APN	Per APN	Standard
apn	uplnk-pkts	INT64	Incremental	active	The total number of IP packets sent from the APN towards Internet/PDN on the Gi interface.	Increments by the number of IP packets (Uplink Data) sent on Gi interface for the APN	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	dnlnk-pkts	INT64	Incremental	active	The total number of IP packets received from the Gi interface for the APN.	Increments by the number of IP packets (Downlink Data) received on Gi interface for the APN	Per APN	Standard
apn	uplnk-bytes-drop	INT64	Incremental	active	The total number of bytes sent from the APN towards Internet/PDN on the Gi interface dropped.	Increments by the number of bytes (Uplink Data) dropped for the APN	Per APN	Standard
apn	dnlnk-bytes-drop	INT64	Incremental	active	The total number of bytes sent from the APN towards MS dropped.	Increments by the number of bytes (Downlink Data) dropped for the APN	Per APN	Standard
apn	uplnk-drop	INT32	Incremental	active	The total number of IP packets sent from the APN towards Internet/PDN on the Gi interface dropped.	Increments by the number of IP packets (Uplink Data) dropped for the APN	Per APN	Standard
apn	dnlnk-drop	INT32	Incremental	active	The total number of IP packets sent from the APN towards MS dropped.	Increments by the number of IP packets (Downlink Data) dropped for the APN	Per APN	Standard
apn	bad-hdr	INT32	Incremental	active	The total number of IP packets dropped due to bad header.	Increments by the number of IP packets dropped due to bad header	Per APN	Standard
apn	ttl-excd	INT32	Incremental	active	The number of IP packets dropped because they were received with a TTL value of 0.	Increments by the number of IP packets dropped as they were received with a TTL value of 0	Per APN	Standard
apn	frag-sent	INT32	Incremental	active	The number of times IP packets were fragmented before sending on the GTP tunnel.	Increments by the number of times IP packets were fragmented before sending on the GTP tunnel	Per APN	Standard
apn	frag-fail	INT32	Incremental	active	The number of packets which failed in fragmentation.	Increments by the number of packets which failed in fragmentation	Per APN	Standard
apn	inacl-drop	INT32	Incremental	active	The number of IP packets received that were dropped due to ACL filtering.	Increments by the number of IP packets received that were dropped due to ACL filtering	Per APN	Standard
apn	outacl-drop	INT32	Incremental	active	The number of outbound IP packets that were dropped due to ACL filtering.	Increments by the number of outbound IP packets that were dropped due to ACL filtering	Per APN	Standard
apn	inexcd-mbr-pkt-drop	INT32	Incremental	active	Data Statistics IP input exceeded MBR packets dropped	Increments by the number of input packets dropped due to APN MBR being exceeded	Per APN	Standard
apn	outexcd-mbr-pkt-drop	INT32	Incremental	active	Data Statistics IP output exceeded MBR packets dropped	Increments by the number of output packets dropped due to APN MBR being exceeded	Per APN	Standard
apn	inexcd-gbr-pkt-drop	INT32	Incremental	active	Data Statistics IP input exceeded GBR packets dropped	Increments by the number of input packets dropped due to APN GBR being exceeded	Per APN	Standard
apn	outexcd-gbr-pkt-drop	INT32	Incremental	active	Data Statistics IP output exceeded GBR packets dropped	Increments by the number of output packets dropped due to APN GBR being exceeded	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	inexcd-ambr-pkt-drop	INT32	Incremental	active	Data Statistics IP in exceeded APN packets AMBR dropped	Increments by the number of input packets dropped due to APN AMBR being exceeded	Per APN	Standard
apn	outexcd-ambr-pkt-drop	INT32	Incremental	active	Data Statistics IP out exceeded APN packets AMBR dropped	Increments by the number of output packets dropped due to APN AMBR being exceeded	Per APN	Standard
apn	inmisc-pkt-drop	INT32	Incremental	active	Data Statistics IP input misc packets dropped	Increments by the number of input packets dropped due to miscellenous reasons	Per APN	Standard
apn	outmisc-pkt-drop	INT32	Incremental	active	Data Statistics IP output misc packets dropped	Increments by the number of output packets dropped due to miscellenous reasons.	Per APN	Standard
apn	inexcd-mbr-byte-drop	INT32	Incremental	active	Data Statistics IP input exceeded MBR bytes dropped	Increments by the number of input bytes dropped due to APN MBR being exceeded	Per APN	Standard
apn	outexcd-mbr-byte-drop	INT32	Incremental	active	Data Statistics IP output exceeded MBR bytes dropped	Increments by the number of output bytes dropped due to APN MBR being exceeded	Per APN	Standard
apn	inexcd-gbr-byte-drop	INT32	Incremental	active	Data Statistics IP input exceeded GBR bytes dropped	Increments by the number of input bytes dropped due to APN GBR being exceeded.	Per APN	Standard
apn	outexcd-gbr-byte-drop	INT32	Incremental	active	Data Statistics IP output exceeded GBR bytes dropped	Increments by the number of output bytes dropped due to APN GBR being exceeded.	Per APN	Standard
apn	inexcd-ambr-byte-drop	INT32	Incremental	active	Data Statistics IP in exceeded APN AMBR bytes dropped	Increments by the number of input bytes dropped due to APN AMBR being exceeded	Per APN	Standard
apn	outexcd-ambr-byte-drop	INT32	Incremental	active	Data Statistics IP out exceeded APN AMBR bytes dropped	Increments by the number of output bytes dropped due to APN AMBR being exceeded	Per APN	Standard
apn	inmisc-byte-drop	INT32	Incremental	active	Data Statistics IP input misc bytes dropped	Increments by the number of input bytes dropped due to miscellenous reasons.	Per APN	Standard
apn	outmisc-byte-drop	INT32	Incremental	active	Data Statistics IP output misc bytes dropped	Increments by the number of output bytes dropped due to miscellenous reasons	Per APN	Standard
apn	bad-src-addr	INT32	Incremental	active	The number of IP packets received for which a source violation was detected resulting in the packets being dropped.	Increments by the number of received IP packets being dropped due to detection of source violation	Per APN	Standard
apn	addr-stat	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that used static IP addresses.	Increments by the number of PDP contexts facilitated by the APN which used static IPv4 addresses	Per APN	Standard
apn	addr-lpool	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that were allocated IP addresses from pools configured locally.	Increments by the number of PDP contexts facilitated by the APN which were allocated IPv4 addresses from locally configured pools	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	addr-rad	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that were allocated IP addresses from a RADIUS server.	Increments by the number of PDP contexts facilitated by the APN which were allocated IPv4 addresses from a RADIUS server	Per APN	Standard
apn	addr-dhcp	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that were allocated IP addresses from DHCP.	Increments by the number of PDP contexts facilitated by the APN which were allocated IPv4 addresses from DHCP.	Per APN	Standard
apn	addr-dhcp-rly	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that were allocated IP addresses by DHCP Relay.	Increments by the number of PDP contexts facilitated by the APN which were allocated IPv4 addresses by DHCP relay.	Per APN	Standard
apn	addr-no-alloc	INT32	Incremental	active	The total number of PDP contexts facilitated by the APN that were not allocated IP addresses.	Increments by the number of PDP contexts facilitated by the APN but were not allocated IPv4 addresses.	Per APN	Standard
apn	sess-curr	INT32	Gauge	active	The number of PDP contests currently facilitated by the APN.	Increments whenever a default or dedicated bearer gets created for this APN and decrements whenever a bearer is deleted for this APN	Per APN	Standard
apn	sess-curr-all	INT32	Gauge	active	The total number of PDP contexts currently being facilitated by the entire system.	Increments whenever a default or dedicated bearer gets created for any APN on the system and decrements whenever a bearer gets deleted for any APN on the system	System-wide	Standard
apn	sess-tot	INT32	Incremental	active	The total number of PDP contexts (default and dedicated) facilitated by the APN.	Increments whenever a default or dedicated bearer gets created for this APN.	Per Service	Standard
apn	sess-tot-all	INT32	Incremental	active	The total number of PDP contexts that have been facilitated by the entire system.	Increments whenever a default or dedicated bearer gets created for any APN on the system	System-wide	Standard
apn	active-eutran-sessions	INT32	Gauge	active	Number of active EUTRAN sessions per APN (with RAT Type EUTRAN).	Increments when a new session(pdn) with RAT Type EUTRAN comes up on particular APN and decrements when session with Rat Type EUTRAN goes down.	Per APN	Standard
apn	active-nb-iot-sessions	INT32	Gauge	active	Number of active NB-IoT sessions per APN (with RAT Type NB-IoT).	Increments when a new session(pdn) with RAT Type NB-IoT comes up on particular APN and decrements when session with Rat Type NB-IoT goes down.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	active-utran-sessions	INT32	Gauge	active	Number of active UTRAN sessions per APN (with RAT Type UTRAN).	Increments when a new session(pdn) with RAT Type UTRAN comes up on particular APN and decrements when session with Rat Type UTRAN goes down.	Per APN	Standard
apn	active-geran-sessions	INT32	Gauge	active	Number of active GERAN sessions per APN (with RAT Type GERAN).	Increments when a new session(pdn) with RAT Type GERAN comes up on particular APN and decrements when session with Rat Type GERAN goes down.	Per APN	Standard
apn	active-wlan-sessions	INT32	Gauge	active	Number of active WIAN sessions per APN (with RAT Type EUTRAN).	Increments when a new session(pdn) with RAT Type WLAN comes up on particular APN and decrements when session with Rat Type WLAN goes down .	Per APN	Standard
apn	active-hspa-sessions	INT32	Gauge	active	Number of active WLAN sessions per APN (with RAT Type EUTRAN).	Increments when a new session(pdn) with RAT Type HSPA comes up on particular APN and decrements when session with Rat Type HSPA goes down.	Per APN	Standard
apn	active-other-sessions	INT32	Gauge	active	Number of active other sessions per APN (with RAT Type other).	Increments when a new session(pdn) (except RAT Types EUTRAN, UTRAN, GERAN, HSPA, WLAN) comes up on particular APN and decrements when session (except RAT Types EUTRAN, UTRAN, GERAN, HSPA, WLAN) goes down.	Per APN	Standard
apn	initiated-eutran-sessions	INT32	Incremental	active	Number of initiated EUTRAN sessions	Incremented when new PDN request is received for RAT Type EUTRAN	Per APN	Standard
apn	initiated-utran-sessions	INT32	Incremental	active	Number of initiated UTRAN sessions per APN	Incremented when new PDN request is received for RAT Type UTRAN	Per APN	Standard
apn	initiated-geran-sessions	INT32	Incremental	active	Number of initiated GERAN sessions	Incremented when new PDN request is received for RAT Type GERAN	Per APN	Standard
apn	initiated-ehrpd-sessions	INT32	Incremental	active	Number of initiated EHRPD sessions	Incremented when new PDN request is received for RAT Type EHRPD	Per APN	Standard
apn	initiated-s2a-gtp-sessions	INT32	Incremental	active	Number of initiated S2a GTP sessions (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2a GTP	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	initiated-s2b-gtp-sessions	INT32	Incremental	active	Number of initiated S2b GTP sessions (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2b GTP	Per APN	Standard
apn	initiated-s2b-pmip-sessions	INT32	Incremental	active	Number of initiated S2b PMIP sessions (with RAT Type WIRELESS_LAN)	Incremented when new PDN request is received for RAT Type WIRELESS_LAN on S2b PMIP	Per APN	Standard
apn	initiated-nb-iot-sessions	INT32	Incremental	active	Number of initiated NB-IoT sessions	Incremented when new PDN request is received for RAT Type NB-IoT	Per APN	Standard
apn	apn-handoverstat-gngptolteatt	INT32	Incremental	active	Number of GnGp to LTE handover attempted	Increments when GnGp to LTE handover is attempted	Per APN	Standard
apn	apn-handoverstat-gngptoltesucc	INT32	Incremental	active	Number of GnGp to LTE handover succeeded	Increments when GnGp to LTE handover is successful	Per Apn	Standard
apn	apn-handoverstat-gngptoltefail	INT32	Incremental	active	Number of GnGp to LTE handover failed	Increments when GnGp to LTE handover fails	Per APN	Standard
apn	apn-handoverstat-ltetogngpatt	INT32	Incremental	active	Number of LTE to GnGp handover attempted	Increments when LTE to GnGp handover is attempted	Per APN	Standard
apn	apn-handoverstat-ltetogngpsucc	INT32	Incremental	active	Number of LTE to GnGp handover succeeded	Increments when LTE to GnGp handover is successful	Per APN	Standard
apn	apn-handoverstat-ltetogngpfail	INT32	Incremental	active	Number of LTE to GnGp handover failed	Increments when LTE to GnGp handover fails	Per APN	Standard
apn	apn-handoverstat-gngptos4sgsnatt	INT32	Incremental	active	Number of GnGp to S4SGSN handover attempted	Increments when GnGp to S4SGSN handover is attempted	Per APN	Standard
apn	apn-handoverstat-gngptos4sgsnsucc	INT32	Incremental	active	Number of GnGp to S4SGSN handover succeeded	Increments when GnGp to S4SGSN handover is successful	Per APN	Standard
apn	apn-handoverstat-gngptos4sgsnfail	INT32	Incremental	active	Number of GnGp to S4SGSN handover failed	Increments when GnGp to S4SGSN handover fails	Per APN	Standard
apn	apn-handoverstat-s4sgsntogngpatt	INT32	Incremental	active	Number of S4SGSN to GnGp handover attempted	Increments when S4SGSN to GnGp handover is attempted	Per APN	Standard
apn	apn-handoverstat-s4sgsntogngpsucc	INT32	Incremental	active	Number of S4SGSN to GnGp handover succeeded	Increments when S4SGSN to GnGp handover is successful	Per APN	Standard
apn	apn-handoverstat-s4sgsntogngpfail	INT32	Incremental	active	Number of S4SGSN to GnGp handover failed	Increments when S4SGSN to GnGp handover fails	Per APN	Standard
apn	apn-handoverstat-s4sgsntolteatt	INT32	Incremental	active	Number of S4SGSN to LTE handover attempted	Increments when S4SGSN to LTE handover is attempted	Per APN	Standard
apn	apn-handoverstat-s4sgsntoltesucc	INT32	Incremental	active	Number of S4SGSN to LTE handover succeeded	Increments when S4SGSN to LTE handover is successful	Per APN	Standard
apn	apn-handoverstat-s4sgsntoltefail	INT32	Incremental	active	Number of S4SGSN to LTE handover failed	Increments when S4SGSN to LTE handover fails	Per APN	Standard
apn	apn-handoverstat-ltetos4sgsnatt	INT32	Incremental	active	Number of LTE to S4SGSN handover attempted	Increments when LTE to S4SGSN handover is attempted	Per APN	Standard
apn	apn-handoverstat-ltetos4sgsnsucc	INT32	Incremental	active	Number of LTE to S4SGSN handover succeeded	Increments when LTE to S4SGSN handover is successful	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	apn-handoverstat-ltetos4sgsnfail	INT32	Incremental	active	Number of LTE to S4SGSN handover failed	Increments when LTE to S4SGSN handover fails	Per APN	Standard
apn	apn-handoverstat-ltetoehrpdatt	INT32	Incremental	active	Number of LTE to EHRPD handover attempted	Increments when LTE to EHRPD handover is attempted	Per APN	Standard
apn	apn-handoverstat-ltetoehrpdsucc	INT32	Incremental	active	Number of LTE to EHRPD handover succeeded	Increments when LTE to EHRPD handover is successful	Per APN	Standard
apn	apn-handoverstat-ltetoehrpdfail	INT32	Incremental	active	Number of LTE to EHRPD handover failed	Increments when LTE to EHRPD handover fails	Per APN	Standard
apn	apn-handoverstat-ehrpdtolteatt	INT32	Incremental	active	Number of EHRPD to LTE handover attempted	Increments when EHRPD to LTE handover is attempted	Per APN	Standard
apn	apn-handoverstat-ehrpdtoltesucc	INT32	Incremental	active	Number of EHRPD to LTE handover succeeded	Increments when EHRPD to LTE handover is successful	Per APN	Standard
apn	apn-handoverstat-ehrpdtoltefail	INT32	Incremental	active	Number of EHRPD to LTE handover failed	Increments when EHRPD to LTE handover fails	Per APN	Standard
apn	apn-handoverstat-ltetos2bpmipatt	INT32	Incremental	active	Number of LTE to S2bPMIP handover attempted	Increments when LTE to S2bPMIP handover is attempted	Per APN	Standard
apn	apn-handoverstat-ltetos2bpmipsucc	INT32	Incremental	active	Number of LTE to S2bPMIP handover succeeded	Increments when LTE to S2bPMIP handover is successful	Per APN	Standard
apn	apn-handoverstat-ltetos2bpmipfail	INT32	Incremental	active	Number of LTE to S2bPMIP handover failed	Increments when LTE to S2bPMIP handover fails	Per APN	Standard
apn	apn-handoverstat-s2bpmiptolteatt	INT32	Incremental	active	Number of S2bPMIP to LTE handover attempted	Increments when S2bPMIP to LTE handover is attempted	Per APN	Standard
apn	apn-handoverstat-s2bpmiptoltesucc	INT32	Incremental	active	Number of S2bPMIP to LTE handover succeeded	Increments when S2bPMIP to LTE handover is successful	Per APN	Standard
apn	apn-handoverstat-s2bpmiptoltefail	INT32	Incremental	active	Number of S2bPMIP to LTE handover failed	Increments when S2bPMIP to LTE handover fails	Per APN	Standard
apn	apn-handoverstat-ehrpdtos2bpmipatt	INT32	Incremental	active	Number of EHRPD to S2bPMIP handover attempted	Increments when EHRPD to S2bPMIP handover is attempted	Per APN	Standard
apn	apn-handoverstat-ehrpdtos2bpmipsucc	INT32	Incremental	active	Number of EHRPD to S2bPMIP handover succeeded	Increments when EHRPD to S2bPMIP handover is successful	Per APN	Standard
apn	apn-handoverstat-ehrpdtos2bpmipfail	INT32	Incremental	active	Number of EHRPD to S2bPMIP handover failed	Increments when EHRPD to S2bPMIP handover fails	Per APN	Standard
apn	apn-handoverstat-s2bpmiptoehrpdatt	INT32	Incremental	active	Number of S2bPMIP to EHRPD handover attempted	Increments when S2bPMIP to EHRPD handover is attempted	Per APN	Standard
apn	apn-handoverstat-s2bpmiptoehrpdsucc	INT32	Incremental	active	Number of S2bPMIP to EHRPD handover succeeded	Increments when S2bPMIP to EHRPD handover is successful	Per APN	Standard
apn	apn-handoverstat-s2bpmiptoehrpdfail	INT32	Incremental	active	Number of S2bPMIP to EHRPD handover failed	Increments when S2bPMIP to EHRPD handover fails	Per APN	Standard
apn	apn-handoverstat-s2bgtptolteatt	INT32	Incremental	active	Number of S2bGTP to LTE handover attempted	Increments when S2bGTP to LTE handover is attempted	Per APN	Standard
apn	apn-handoverstat-s2bgtptoltesucc	INT32	Incremental	active	Number of S2bGTP to LTE handover succeeded	Increments when S2bGTP to LTE handover is successful	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	apn-handoverstat-s2bgtptoltefail	INT32	Incremental	active	Number of S2bGTP to LTE handover failed	Increments when S2bGTP to LTE handover fails	Per APN	Standard
apn	apn-handoverstat-ltetos2bgtpatt	INT32	Incremental	active	Number of LTE to S2bGTP handover attempted	Increments when LTE to S2bGTP handover is attempted	Per APN	Standard
apn	apn-handoverstat-ltetos2bgtpsucc	INT32	Incremental	active	Number of LTE to S2bGTP handover succeeded	Increments when LTE to S2bGTP handover is successful	Per APN	Standard
apn	apn-handoverstat-ltetos2bgtpfail	INT32	Incremental	active	Number of LTE to S2bGTP handover failed	Increments when LTE to S2bGTP handover fails	Per APN	Standard
apn	apn-handoverstat-s2bgtptoehrpdatt	INT32	Incremental	active	Total number of GTP S2b to eHRPD handover attempts	Increments when GTP S2b to eHRPD handover is attempted	Per Apn	Standard
apn	apn-handoverstat-s2bgtptoehrpdsucc	INT32	Incremental	active	Total number of successful GTP S2b to eHRPD handovers	Increments when GTP S2b to eHRPD handover is successful	Per Apn	Standard
apn	apn-handoverstat-s2bgtptoehrpdfail	INT32	Incremental	active	Total number of failed GTP S2b to eHRPD handovers	Increments when GTP S2b to eHRPD handover has failed	Per Apn	Standard
apn	apn-handoverstat-ehrpdtos2bgtpatt	INT32	Incremental	active	Total number of eHRPD to GTP S2b handover attempts	Increments when eHRPD to GTP S2b handover is attempted	Per Apn	Standard
apn	apn-handoverstat-ehrpdtos2bgtpsucc	INT32	Incremental	active	Total number of successful eHRPD to GTP S2b handovers	Increments when eHRPD to GTP S2b handover is successful	Per Apn	Standard
apn	apn-handoverstat-ehrpdtos2bgtpfail	INT32	Incremental	active	Total number of failed eHRPD to GTP S2b handovers	Increments when eHRPD to GTP S2b handover has failed	Per Apn	Standard
apn	apn-handoverstat-s2agtptolteatt	INT32	Incremental	active	Total number of GTP S2a to LTE handover attempts	Increments when GTP S2a to LTE handover is attempted	Per Apn	Standard
apn	apn-handoverstat-s2agtptoltesucc	INT32	Incremental	active	Total number of successful GTP S2a to LTE handovers	Increments when GTP S2a to LTE handover is successful	Per Apn	Standard
apn	apn-handoverstat-s2agtptoltefail	INT32	Incremental	active	Total number of failed GTP S2a to LTE handovers	Increments when GTP S2a to LTE handover has failed	Per Apn	Standard
apn	apn-handoverstat-ltetos2agtpatt	INT32	Incremental	active	Total number of LTE to GTP S2a handover attempts	Increments when LTE to GTP S2a handover is attempted	Per Apn	Standard
apn	apn-handoverstat-ltetos2agtpsucc	INT32	Incremental	active	Total number of successful LTE to GTP S2a handovers	Increments when LTE to GTP S2a handover is successful	Per Apn	Standard
apn	apn-handoverstat-ltetos2agtpfail	INT32	Incremental	active	Total number of failed LTE to GTP S2a handovers	Increments when LTE to GTP S2a handover has failed	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2agtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp attempted	On attempted handoff from s4sgsn to s2agtp	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2agtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp successful	On successful handoff from s4sgsn to s2agtp	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2agtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2agtp failed	On unsuccessful handoff from s4sgsn to s2agtp	Per Apn	Standard
apn	apn-handoverstat-s2agtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn attempted	On attempted handoff from s2agtp to s4sgsn	Per Apn	Standard
apn	apn-handoverstat-s2agtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn successful	On successful handoff from s2agtp to s4sgsn	Per Apn	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	apn-handoverstat-s2agtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2agtp to s4sgsn failed	On unsuccessful handoff from s2agtp to s4sgsn	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2bgtpatt	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp attempted	On attempted handoff from s4sgsn to s2bgtp	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2bgtpsucc	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp successful	On successful handoff from s4sgsn to s2bgtp	Per Apn	Standard
apn	apn-handoverstat-s4sgsntos2bgtpfail	INT32	Incremental	active	Handover stats - s4sgsn to s2bgtp failed	On unsuccessful handoff from s4sgsn to s2bgtp	Per Apn	Standard
apn	apn-handoverstat-s2bgtptos4sgsnatt	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn attempted	On attempted handoff from s2bgtp to s4sgsn	Per Apn	Standard
apn	apn-handoverstat-s2bgtptos4sgsnsucc	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn successful	On successful handoff from s2bgtp to s4sgsn	Per Apn	Standard
apn	apn-handoverstat-s2bgtptos4sgsnfail	INT32	Incremental	active	Handover stats - s2bgtp to s4sgsn failed	On unsuccessful handoff from s2bgtp to s4sgsn	Per Apn	Standard
apn	att-pdp-ctxt	INT32	Incremental	active	The total number of CPC requests received per APN.	Increments when a CPC Request is received for this APN	Per Apn	Standard
apn	att-deact-pdp-ggsn	INT32	Incremental	active	The total number of DPC requests transmitted	Increments when DPC Request is transmitted	Per Apn	Standard
apn	succ-deact-pdp-ggsn	INT32	Incremental	active	The total number of transmitted DPC requests accepted by peer	Increments when DPC response is received	Per Apn	Standard
apn	att-deact-pdp-ms	INT32	Incremental	active	The total number of DPC requests received	Increments when DPC request is received	Per Apn	Standard
apn	succ-deact-pdp-ms	INT32	Incremental	active	The total number of received DPC request responded successfully	Increments when successful DPC response is transmitted	Per Apn	Standard
apn	dyn-ipv4-attempt	INT32	Incremental	active	The total number of IPv4 PDP contexts that requested dynamically assigned IP addresses	Increments when IPv4 PDP context attempts dynamic address allocation	Per Apn	Standard
apn	dyn-ipv6-attempt	INT32	Incremental	active	The total number of IPv6 PDP contexts that requested dynamically assigned IP addresses	Increments when IPv6 PDP context attempts dynamic address allocation	Per Apn	Standard
apn	dyn-ipv4-success	INT32	Incremental	active	The total number of IPv4 PDP contexts requesting dynamically assigned IP addresses that were successfully setup.	Increments when IPv4 PDP context request for dynamic address allocation is successful	Per Apn	Standard
apn	dyn-ipv6-success	INT32	Incremental	active	The total number of IPv6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup.	Increments when IPv6 PDP context request for dynamic address allocation is successful	Per Apn	Standard
apn	data-fromuseravg-bps	INT64	Gauge	active	The sum of average data rate in bits per seconds (bps) from all the users under this APN.	Varies according to the amount of data received from all users under this APN	Per Apn	Standard
apn	data-touseravg-bps	INT64	Gauge	active	The sum of average data rate in bps towards all the users under this APN.	Varies according to the amount of data sent to all users under this APN	Per Apn	Standard
apn	data-fromusersust-bps	INT64	Gauge	active	The sustained data rate in bps from the user	Varies according to the amount of data received from all users under this APN	Per Apn	Standard
apn	data-tousersust-bps	INT64	Gauge	active	The sustained data rate in bps towards the user	Varies according to the amount of data sent to all users under this APN	Per Apn	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	data-fromuseravg-pps	INT64	Gauge	active	The average data rate in packets per seconds (pps) from the user.	Varies according to the number of data packets received from all users under this APN	Per Apn	Standard
apn	data-touseravg-pps	INT64	Gauge	active	The average data rate in pps towards the user.	Varies according to the number of data packets sent to all users under this APN	Per Apn	Standard
apn	data-fromusersust-pps	INT64	Gauge	active	The sustained data rate in pps from the user.	Varies according to the number of data packets received from all users under this APN	Per Apn	Standard
apn	data-tousersust-pps	INT64	Gauge	active	The sustained data rate in pps towards the user.	Varies according to the number of data packets sent to all users under this APN	Per Apn	Standard
apn	qosconv-pkts-uplnk	INT32	Incremental	active	The number of packets with Conversational QoS sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Conversational QoS is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosconv-pkts-dnlnk	INT32	Incremental	active	The number of packets with Conversational QoS sent from the APN towards MS on the GTP interface.	Increments when packet with Conversational QoS is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	qosstrm-pkts-uplnk	INT32	Incremental	active	The number of packets with Streaming QoS sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Streaming QoS is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosstrm-pkts-dnlnk	INT32	Incremental	active	The number of packets with Streaming QoS sent from the APN towards MS on the GTP interface.	Increments when packet with Streaming QoS is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	qosint1-pkts-uplnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 1 sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Interactive QoS for priority 1 is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosint1-pkts-dnlnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 1 sent from the APN towards MS on the GTP interface.	Increments when packet with Interactive QoS for priority 1 is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	qosint2-pkts-uplnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 2 sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Interactive QoS for priority 2 is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosint2-pkts-dnlnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 2 sent from the APN towards MS on the GTP interface.	Increments when packet with Interactive QoS for priority 2 is sent from the APN towards MS on the GTP interface	Per Apn	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qosint3-pkts-uplnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 3 sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Interactive QoS for priority 3 is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosint3-pkts-dnlnk	INT32	Incremental	active	The number of packets with Interactive QoS for priority 3 sent from the APN towards MS on the GTP interface.	Increments when Increments when packet with Interactive QoS for priority 3 is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	qosint-pkts-uplnk	INT32	Incremental	active	Total number of packets with Interactive QoS for all priorities (priority 1, 2, and 3) sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Interactive QoS for all priorities (priority 1, 2, and 3) is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosint-pkts-dnlnk	INT32	Incremental	active	Total number of packets with Interactive QoS for all priorities (priority 1, 2, and 3) sent from the APN towards MS on the GTP interface.	Increments when packet with Interactive QoS for all priorities (priority 1, 2, and 3) is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	qosback-pkts-uplnk	INT32	Incremental	active	The number of packets with Background QoS sent from the APN towards Internet/PDN on the Gi interface.	Increments when packet with Background QoS is sent from the APN towards Internet/PDN on the Gi interface	Per Apn	Standard
apn	qosback-pkts-dnlnk	INT32	Incremental	active	The number of packets with Background QoS sent from the APN towards MS on the GTP interface.	Increments when packet with Background QoS is sent from the APN towards MS on the GTP interface	Per Apn	Standard
apn	auth-req-sent	INT32	Incremental	active	The total number of authentication requests sent to this server.	Increments when an authentication request is sent to RADIUS server	Per Apn	Standard
apn	auth-acc-rcvd	INT32	Incremental	active	The total number of authentication accept messages received from this server.	Increments when an authentication accept message is received from RADIUS server	Per Apn	Standard
apn	auth-timeout	INT32	Incremental	active	The total number of authentication requests for this server that timed-out.	Increments when an authentication request is timed out for the RADIUS server	Per Apn	Standard
apn	acc-req-sent	INT32	Incremental	active	The total number of accounting requests sent to this server.	Increments when an accounting request is sent to the RADIUS server.	Per Apn	Standard
apn	acc-rsp-rcvd	INT32	Incremental	active	The total number of accounting responses received from this server.	Increments when an accounting response is received from the RADIUS server.	Per Apn	Standard
apn	acc-req-timeout	INT32	Incremental	active	The total number of accounting requests for this server that timed-out.	Increments when an accounting request is timed out.	Per Apn	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	act-defbear	INT32	Gauge	active	The total number of active default bearers.	Increments when a default bearer is created and decrements when a default bearer is released	Per Apn	Standard
apn	act-dedbear	INT32	Gauge	active	The total number of active dedicated bearers.	Increments when a dedicated bearer is created and decrements when a dedicated bearer is released	Per Apn	Standard
apn	setup-defbear	INT32	Incremental	active	The total number of default bearers setup.	Increments when a default bearer is created	Per Apn	Standard
apn	setup-dedbear	INT32	Incremental	active	The total number of dedicated bearers setup.	Increments when a dedicated bearer is created	Per Apn	Standard
apn	rel-defbear	INT32	Incremental	active	The total number of released default bearers.	Increments when default bearer is released	Per Apn	Standard
apn	rel-dedbear	INT32	Incremental	active	The total number of released dedicated bearers.	Increments when dedicated bearer is released	Per Apn	Standard
apn	rel-fail-defbear	INT32	Incremental	active	The total number of default bearers with release failures.	Increments when default bearer release fails	Per Apn	Standard
apn	rel-fail-dedbear	INT32	Incremental	active	The total number of dedicated bearers with release failures.	Increments when dedicated bearer release fails	Per Apn	Standard
apn	rej-defbear	INT32	Incremental	active	The total number of rejected default bearers.	Increments when request for default bearer is rejected	Per Apn	Standard
apn	rej-dedbear	INT32	Incremental	active	The total number of rejected dedicated bearers.	Increments when request for dedicated bearer is rejected	Per Apn	Standard
apn	mod-uebear	INT32	Incremental	active	The total number of UE-initiated modified bearers.	Increments when UE-initiated modify bearer is successful	Per Apn	Standard
apn	mod-nwbear	INT32	Incremental	active	The total number of network-initiated modified bearers.	Increments when network-initiated modify bearer is successful	Per Apn	Standard
apn	ue-init-modfail	INT32	Incremental	active	The total number of failed UE-initiated modified bearers.	Increments when UE-initiated modify bearer fails	Per Apn	Standard
apn	nw-init-modfail	INT32	Incremental	active	The total number of failed network-initiated modified bearers.	Increments when network-initiated modify bearer fails	Per Apn	Standard
apn	pdn-ipv4-actsess	INT64	Gauge	active	The total number of active IPv4 sessions.	Increments when IPv4 session is setup and decrements when IPv4 session is released	Per Apn	Standard
apn	pdn-ipv4-setupsess	INT64	Incremental	active	The total number of IPv4 session setup.	Increments when IPv4 session is setup	Per Apn	Standard
apn	pdn-ipv4-relsess	INT64	Incremental	active	The total number of released IPv4 sessions.	Increments when IPv4 session is released	Per Apn	Standard
apn	pdn-ipv6-actsess	INT64	Gauge	active	The total number of active IPv6 sessions.	Increments when IPv6 session is setup and decrements when IPv6 session is released	Per Apn	Standard
apn	pdn-ipv6-setupsess	INT64	Incremental	active	The total number of IPv6 session setup.	Increments when IPv6 session is setup	Per Apn	Standard
apn	pdn-ipv6-relsess	INT64	Incremental	active	The total number of released IPv6 sessions.	Increments when IPv6 session is released	Per Apn	Standard
apn	pdn-ipv4v6-actsess	INT64	Gauge	active	The total number of active IPv4v6 sessions.	Increments when IPv4v6 session is setup and decrements when IPv4v6 session is released	Per Apn	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	pdn-ipv4v6-setupsess	INT64	Incremental	active	The total number of IPv4v6 session setup.	Increments when IPv4v6 session is setup	Per Apn	Standard
apn	pdn-ipv4v6-relsess	INT64	Incremental	active	The total number of released IPv4v6 sessions.	Increments when IPv4v6 session is released	Per Apn	Standard
apn	pdn-non-ip-actsess	INT64	Gauge	active	This statistics indicates the total number of active non-IP sessions at APN.	Increments when non-IP session is setup and decrements when non-IP session is released	Per Apn	Standard
apn	pdn-non-ip-setupsess	INT64	Incremental	active	This statistics indicates the total number of non-IP session setup at APN.	Increments when non-IP session is setup	Per Apn	Standard
apn	pdn-non-ip-relsess	INT64	Incremental	active	This statistics indicates the total number of non-IP session release at APN.	Increments when non-IP session is released	Per Apn	Standard
apn	addr-ipv6-stateless-autocnf	INT32	Gauge	active	The total number of allocated IPv6 addresses from stateless auto-configuration.	Increments when IPv6 addresses from stateless auto-configuration is allocated and decrements when IPv6 addresses from stateless auto-configuration is released	Per Apn	Standard
apn	qci1-actbear	INT32	Gauge	active	The total number of QCI1 active bearers.	Incremented when a QCI1 bearer is successfully created and decrements when QCI1 bearer gets deleted	Per APN	Standard
apn	qci1-setupbear	INT32	Incremental	active	The total number of QCI1 bearers setup.	Incremented when QCI1 bearer creation accepted	Per APN	Standard
apn	qci1-relbear	INT32	Incremental	active	The total number of QCI1 released bearers.	Incremented when QCI1 bearer released	Per APN	Standard
apn	qci1-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI1 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI1 bearer and successfully forwarded	Per APN	Standard
apn	qci1-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI1 downlink packets forwarded.	Incremented when packet is received in downlink for QCI1 bearer and successfully forwarded	Per APN	Standard
apn	qci1-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI1 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI1 bearer and successfully forwarded	Per APN	Standard
apn	qci1-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI1 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI1 bearer and successfully forwarded	Per APN	Standard
apn	qci1-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI1 uplink packets dropped.	Incremented when uplink packets for QCI1 is dropped	Per APN	Standard
apn	qci1-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI1 downlink packets dropped.	Incremented when downlink packets for QCI1 is dropped	Per APN	Standard
apn	qci1-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI1 uplink bytes dropped.	Incremented when uplink packets for QCI1 is dropped	Per APN	Standard
apn	qci1-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI1 downlink bytes dropped.	Incremented when downlink packets for QCI1 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci1-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI1 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI1 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci1-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI1 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI1 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci1-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI1 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI1 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci1-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI1 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI1 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci1-rejbearer	INT32	Incremental	active	The total number of QCI1 rejected bearers.	Incremented when QCI1 bearer creation is rejected	Per APN	Standard
apn	qci2-actbear	INT32	Gauge	active	The total number of QCI2 active bearers.	Incremented when a QCI2 bearer is successfully created and decrements when QCI2 bearer gets deleted	Per APN	Standard
apn	qci2-setupbear	INT32	Incremental	active	The total number of QCI2 bearers setup.	Incremented when QCI2 bearer creation accepted	Per APN	Standard
apn	qci2-relbear	INT32	Incremental	active	The total number of QCI2 released bearers.	Incremented when QCI2 bearer released	Per APN	Standard
apn	qci2-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI2 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI2 bearer and successfully forwarded	Per APN	Standard
apn	qci2-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI2 downlink packets forwarded.	Incremented when packet is received in downlink for QCI2 bearer and successfully forwarded	Per APN	Standard
apn	qci2-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI2 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI2 bearer and successfully forwarded	Per APN	Standard
apn	qci2-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI2 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI2 bearer and successfully forwarded	Per APN	Standard
apn	qci2-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI2 uplink packets dropped.	Incremented when uplink packets for QCI2 is dropped	Per APN	Standard
apn	qci2-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI2 downlink packets dropped.	Incremented when downlink packets for QCI2 is dropped	Per APN	Standard
apn	qci2-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI2 uplink bytes dropped.	Incremented when uplink packets for QCI2 is dropped	Per APN	Standard
apn	qci2-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI2 downlink bytes dropped.	Incremented when downlink packets for QCI2 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci2-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI2 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI2 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci2-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI2 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI2 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci2-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI2 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI2 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci2-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI2 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI2 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci2-rejbearer	INT32	Incremental	active	The total number of QCI2 rejected bearers.	Incremented when QCI2 bearer creation is rejected	Per APN	Standard
apn	qci3-actbear	INT32	Gauge	active	The total number of QCI3 active bearers.	Incremented when a QCI3 bearer is successfully created and decrements when QCI3 bearer gets deleted	Per APN	Standard
apn	qci3-setupbear	INT32	Incremental	active	The total number of QCI3 bearers setup.	Incremented when QCI3 bearer creation accepted	Per APN	Standard
apn	qci3-relbear	INT32	Incremental	active	The total number of QCI3 released bearers.	Incremented when QCI3 bearer released	Per APN	Standard
apn	qci3-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI3 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI3 bearer and successfully forwarded	Per APN	Standard
apn	qci3-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI3 downlink packets forwarded.	Incremented when packet is received in downlink for QCI3 bearer and successfully forwarded	Per APN	Standard
apn	qci3-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI3 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI3 bearer and successfully forwarded	Per APN	Standard
apn	qci3-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI3 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI3 bearer and successfully forwarded	Per APN	Standard
apn	qci3-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI3 uplink packets dropped.	Incremented when uplink packets for QCI3 is dropped	Per APN	Standard
apn	qci3-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI3 downlink packets dropped.	Incremented when downlink packets for QCI3 is dropped	Per APN	Standard
apn	qci3-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI3 uplink bytes dropped.	Incremented when uplink packets for QCI3 is dropped	Per APN	Standard
apn	qci3-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI3 downlink bytes dropped.	Incremented when downlink packets for QCI3 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci3-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI3 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI3 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci3-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI3 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI3 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci3-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI3 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI3 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci3-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI3 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI3 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci3-rejbearer	INT32	Incremental	active	The total number of QCI3 rejected bearers.	Incremented when QCI3 bearer creation is rejected	Per APN	Standard
apn	qci4-actbear	INT32	Gauge	active	The total number of QCI4 active bearers.	Incremented when a QCI4 bearer is successfully created and decrements when QCI4 bearer gets deleted	Per APN	Standard
apn	qci4-setupbear	INT32	Incremental	active	The total number of QCI4 bearers setup.	Incremented when QCI4 bearer creation accepted	Per APN	Standard
apn	qci4-relbear	INT32	Incremental	active	The total number of QCI4 released bearers.	Incremented when QCI4 bearer released	Per APN	Standard
apn	qci4-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI4 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI4 bearer and successfully forwarded	Per APN	Standard
apn	qci4-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI4 downlink packets forwarded.	Incremented when packet is received in downlink for QCI4 bearer and successfully forwarded	Per APN	Standard
apn	qci4-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI4 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI4 bearer and successfully forwarded	Per APN	Standard
apn	qci4-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI4 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI4 bearer and successfully forwarded	Per APN	Standard
apn	qci4-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI4 uplink packets dropped.	Incremented when uplink packets for QCI4 is dropped	Per APN	Standard
apn	qci4-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI4 downlink packets dropped.	Incremented when downlink packets for QCI4 is dropped	Per APN	Standard
apn	qci4-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI4 uplink bytes dropped.	Incremented when uplink packets for QCI4 is dropped	Per APN	Standard
apn	qci4-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI4 downlink bytes dropped.	Incremented when downlink packets for QCI4 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci4-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI4 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI4 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci4-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI4 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI4 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci4-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI4 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI4 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci4-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI4 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI4 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci4-rejbearer	INT32	Incremental	active	The total number of QCI4 rejected bearers.	Incremented when QCI4 bearer creation is rejected	Per APN	Standard
apn	qci5-actbear	INT32	Gauge	active	The total number of QCI5 active bearers.	Incremented when a QCI5 bearer is successfully created and decrements when QCI5 bearer gets deleted	Per APN	Standard
apn	qci5-setupbear	INT32	Incremental	active	The total number of QCI5 bearers setup.	Incremented when QCI5 bearer creation accepted	Per APN	Standard
apn	qci5-relbear	INT32	Incremental	active	The total number of QCI5 released bearers.	Incremented when QCI5 bearer released	Per APN	Standard
apn	qci5-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI5 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI5 bearer and successfully forwarded	Per APN	Standard
apn	qci5-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI5 downlink packets forwarded.	Incremented when packet is received in downlink for QCI5 bearer and successfully forwarded	Per APN	Standard
apn	qci5-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI5 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI5 bearer and successfully forwarded	Per APN	Standard
apn	qci5-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI5 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI5 bearer and successfully forwarded	Per APN	Standard
apn	qci5-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI5 uplink packets dropped.	Incremented when uplink packets for QCI5 is dropped	Per APN	Standard
apn	qci5-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI5 downlink packets dropped.	Incremented when downlink packets for QCI5 is dropped	Per APN	Standard
apn	qci5-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI5 uplink bytes dropped.	Incremented when uplink packets for QCI5 is dropped	Per APN	Standard
apn	qci5-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI5 downlink bytes dropped.	Incremented when downlink packets for QCI5 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci5-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI5 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI5 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci5-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI5 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI5 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci5-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI5 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI5 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci5-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI5 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI5 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci5-rejbearer	INT32	Incremental	active	The total number of QCI5 rejected bearers.	Incremented when QCI5 bearer creation is rejected	Per APN	Standard
apn	qci6-actbear	INT32	Gauge	active	The total number of QCI6 active bearers.	Incremented when a QCI6 bearer is successfully created and decrements when QCI6 bearer gets deleted	Per APN	Standard
apn	qci6-setupbear	INT32	Incremental	active	The total number of QCI6 bearers setup.	Incremented when QCI6 bearer creation accepted	Per APN	Standard
apn	qci6-relbear	INT32	Incremental	active	The total number of QCI6 released bearers.	Incremented when QCI6 bearer released	Per APN	Standard
apn	qci6-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI6 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI6 bearer and successfully forwarded	Per APN	Standard
apn	qci6-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI6 downlink packets forwarded.	Incremented when packet is received in downlink for QCI6 bearer and successfully forwarded	Per APN	Standard
apn	qci6-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI6 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI6 bearer and successfully forwarded	Per APN	Standard
apn	qci6-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI6 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI6 bearer and successfully forwarded	Per APN	Standard
apn	qci6-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI6 uplink packets dropped.	Incremented when uplink packets for QCI6 is dropped	Per APN	Standard
apn	qci6-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI6 downlink packets dropped.	Incremented when downlink packets for QCI6 is dropped	Per APN	Standard
apn	qci6-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI6 uplink bytes dropped.	Incremented when uplink packets for QCI6 is dropped	Per APN	Standard
apn	qci6-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI6 downlink bytes dropped.	Incremented when downlink packets for QCI6 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci6-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI6 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI6 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci6-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI6 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI6 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci6-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI6 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI6 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci6-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI6 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI6 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci6-rejbearer	INT32	Incremental	active	The total number of QCI6 rejected bearers.	Incremented when QCI6 bearer creation is rejected	Per APN	Standard
apn	qci7-actbear	INT32	Gauge	active	The total number of QCI7 active bearers.	Incremented when a QCI7 bearer is successfully created and decrements when QCI7 bearer gets deleted	Per APN	Standard
apn	qci7-setupbear	INT32	Incremental	active	The total number of QCI7 bearers setup.	Incremented when QCI7 bearer creation accepted	Per APN	Standard
apn	qci7-relbear	INT32	Incremental	active	The total number of QCI7 released bearers.	Incremented when QCI7 bearer released	Per APN	Standard
apn	qci7-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI7 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI7 bearer and successfully forwarded	Per APN	Standard
apn	qci7-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI7 downlink packets forwarded.	Incremented when packet is received in downlink for QCI7 bearer and successfully forwarded	Per APN	Standard
apn	qci7-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI7 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI7 bearer and successfully forwarded	Per APN	Standard
apn	qci7-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI7 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI7 bearer and successfully forwarded	Per APN	Standard
apn	qci7-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI7 uplink packets dropped.	Incremented when uplink packets for QCI7 is dropped	Per APN	Standard
apn	qci7-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI7 downlink packets dropped.	Incremented when downlink packets for QCI7 is dropped	Per APN	Standard
apn	qci7-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI7 uplink bytes dropped.	Incremented when uplink packets for QCI7 is dropped	Per APN	Standard
apn	qci7-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI7 downlink bytes dropped.	Incremented when downlink packets for QCI7 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci7-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI7 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI7 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci7-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI7 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI7 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci7-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI7 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI7 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci7-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI7 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI7 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci7-rejbearer	INT32	Incremental	active	The total number of QCI7 rejected bearers.	Incremented when QCI7 bearer creation is rejected	Per APN	Standard
apn	qci8-actbear	INT32	Gauge	active	The total number of QCI8 active bearers.	Incremented when a QCI8 bearer is successfully created and decrements when QCI8 bearer gets deleted	Per APN	Standard
apn	qci8-setupbear	INT32	Incremental	active	The total number of QCI8 bearers setup.	Incremented when QCI8 bearer creation accepted	Per APN	Standard
apn	qci8-relbear	INT32	Incremental	active	The total number of QCI8 released bearers.	Incremented when QCI8 bearer released	Per APN	Standard
apn	qci8-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI8 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI8 bearer and successfully forwarded	Per APN	Standard
apn	qci8-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI8 downlink packets forwarded.	Incremented when packet is received in downlink for QCI8 bearer and successfully forwarded	Per APN	Standard
apn	qci8-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI8 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI8 bearer and successfully forwarded	Per APN	Standard
apn	qci8-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI8 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI8 bearer and successfully forwarded	Per APN	Standard
apn	qci8-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI8 uplink packets dropped.	Incremented when uplink packets for QCI8 is dropped	Per APN	Standard
apn	qci8-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI8 downlink packets dropped.	Incremented when downlink packets for QCI8 is dropped	Per APN	Standard
apn	qci8-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI8 uplink bytes dropped.	Incremented when uplink packets for QCI8 is dropped	Per APN	Standard
apn	qci8-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI8 downlink bytes dropped.	Incremented when downlink packets for QCI8 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci8-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI8 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI8 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci8-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI8 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI8 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci8-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI8 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI8 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci8-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI8 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI8 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci8-rejbearer	INT32	Incremental	active	The total number of QCI8 rejected bearers.	Incremented when QCI8 bearer creation is rejected	Per APN	Standard
apn	qci9-actbear	INT32	Gauge	active	The total number of QCI9 active bearers.	Incremented when a QCI9 bearer is successfully created and decrements when QCI9 bearer gets deleted	Per APN	Standard
apn	qci9-setupbear	INT32	Incremental	active	The total number of QCI9 bearers setup.	Incremented when QCI9 bearer creation accepted	Per APN	Standard
apn	qci9-relbear	INT32	Incremental	active	The total number of QCI9 released bearers.	Incremented when QCI9 bearer released	Per APN	Standard
apn	qci9-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI9 uplink packets forwarded.	Incremented when packet received from ms and forwarded to GI for QCI9 bearer and successfully forwarded	Per APN	Standard
apn	qci9-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI9 downlink packets forwarded.	Incremented when packet is received in downlink for QCI9 bearer and successfully forwarded	Per APN	Standard
apn	qci9-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI9 uplink bytes forwarded.	Incremented when packet received from ms and forwarded to GI for QCI9 bearer and successfully forwarded	Per APN	Standard
apn	qci9-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI9 downlink bytes forwarded.	Incremented when packet is received in downlink for QCI9 bearer and successfully forwarded	Per APN	Standard
apn	qci9-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI9 uplink packets dropped.	Incremented when uplink packets for QCI9 is dropped	Per APN	Standard
apn	qci9-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI9 downlink packets dropped.	Incremented when downlink packets for QCI9 is dropped	Per APN	Standard
apn	qci9-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI9 uplink bytes dropped.	Incremented when uplink packets for QCI9 is dropped	Per APN	Standard
apn	qci9-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI9 downlink bytes dropped.	Incremented when downlink packets for QCI9 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci9-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI9 uplink packets dropped (MBR Excd).	Incremented when uplink packet dropped for QCI9 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci9-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI9 downlink packets dropped (MBR Excd).	Incremented when downlink packet dropped for QCI9 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci9-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI9 uplink bytes dropped (MBR Excd).	Incremented when uplink packet dropped for QCI9 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci9-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI9 uplink bytes dropped (MBR Excd).	Incremented when downlink packet dropped for QCI9 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci9-rejbearer	INT32	Incremental	active	The total number of QCI9 rejected bearers.	Incremented when QCI9 bearer creation is rejected	Per APN	Standard
apn	qci65-actbear	INT32	Gauge	active	The total number of QCI65 active bearers.	Increments when a QCI 65 bearer is successfully created. Decrements when QCI 65 bearer is deleted	Per APN	Standard
apn	qci65-setupbear	INT32	Incremental	active	The total number of QCI65 bearers setup.	Increments when QCI 65 bearer creation is accepted	Per APN	Standard
apn	qci65-relbear	INT32	Incremental	active	The total number of QCI65 released bearers.	Increments when QCI65 bearer released	Per APN	Standard
apn	qci65-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI65 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 65 bearer successfully	Per APN	Standard
apn	qci65-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI65 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 65 bearer and successfully forwarded	Per APN	Standard
apn	qci65-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI65 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 65 bearer and successfully forwarded	Per APN	Standard
apn	qci65-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI65 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 65 bearer and successfully forwarded	Per APN	Standard
apn	qci65-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI65 uplink packets dropped.	Increments when a uplink packet for QCI 65 is dropped	Per APN	Standard
apn	qci65-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI65 downlink packets dropped.	Increments when a downlink packet for QCI 65 is dropped	Per APN	Standard
apn	qci65-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI65 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 65 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci65-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI65 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 65 is dropped	Per APN	Standard
apn	qci65-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI65 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 65 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci65-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI65 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 65 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci65-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI65 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 65 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci65-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI65 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 65 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci65-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	being exceeded.	Rate (MBR) exceeded	Per APN	Standard
apn	qci65-rejbearer	INT32	Incremental	active	The total number of QCI65 rejected bearers.	Increments when QCI 65 bearer creation is rejected	Per APN	Standard
apn	qci66-actbear	INT32	Gauge	active	The total number of QCI66 active bearers.	Increments when a QCI 66 bearer is successfully created. Decrements when QCI 66 bearer is deleted	Per APN	Standard
apn	qci66-setupbear	INT32	Incremental	active	The total number of QCI66 bearers setup.	Increments when QCI 66 bearer creation is accepted	Per APN	Standard
apn	qci66-relbear	INT32	Incremental	active	The total number of QCI66 released bearers.	Increments when QCI66 bearer released	Per APN	Standard
apn	qci66-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI66 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 66 bearer successfully	Per APN	Standard
apn	qci66-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI66 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 66 bearer and successfully forwarded	Per APN	Standard
apn	qci66-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI66 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 66 bearer and successfully forwarded	Per APN	Standard
apn	qci66-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI66 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 66 bearer and successfully forwarded	Per APN	Standard
apn	qci66-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI66 uplink packets dropped.	Increments when a uplink packet for QCI 66 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci66-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI66 downlink packets dropped.	Increments when a downlink packet for QCI 66 is dropped	Per APN	Standard
apn	qci66-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI66 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 66 is dropped	Per APN	Standard
apn	qci66-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI66 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 66 is dropped	Per APN	Standard
apn	qci66-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI66 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 66 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci66-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI66 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 66 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci66-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI66 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 66 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci66-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	being exceeded.	Rate (MBR) exceeded	Per APN	Standard
apn	qci66-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI66 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 66 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci66-rejbearer	INT32	Incremental	active	The total number of QCI66 rejected bearers.	Increments when QCI 66 bearer creation is rejected	Per APN	Standard
apn	qci69-actbear	INT32	Gauge	active	The total number of QCI69 active bearers.	Increments when a QCI 69 bearer is successfully created. Decrements when QCI 69 bearer is deleted	Per APN	Standard
apn	qci69-setupbear	INT32	Incremental	active	The total number of QCI69 bearers setup.	Increments when QCI 69 bearer creation is accepted	Per APN	Standard
apn	qci69-relbear	INT32	Incremental	active	The total number of QCI69 released bearers.	Increments when QCI69 bearer released	Per APN	Standard
apn	qci69-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI69 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 69 bearer successfully	Per APN	Standard
apn	qci69-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI69 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 69 bearer and successfully forwarded	Per APN	Standard
apn	qci69-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI69 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 69 bearer and successfully forwarded	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci69-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI69 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 69 bearer and successfully forwarded	Per APN	Standard
apn	qci69-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI69 uplink packets dropped.	Increments when a uplink packet for QCI 69 is dropped	Per APN	Standard
apn	qci69-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI69 downlink packets dropped.	Increments when a downlink packet for QCI 69 is dropped	Per APN	Standard
apn	qci69-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI69 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 69 is dropped	Per APN	Standard
apn	qci69-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI69 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 69 is dropped	Per APN	Standard
apn	qci69-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI69 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 69 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci69-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI69 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 69 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci69-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI69 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 69 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci69-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI69 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 69 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci69-rejbearer	INT32	Incremental	active	The total number of QCI69 rejected bearers.	Increments when QCI 69 bearer creation is rejected	Per APN	Standard
apn	qci70-actbear	INT32	Gauge	active	The total number of QCI70 active bearers.	Increments when a QCI 70 bearer is successfully created. Decrements when QCI 70 bearer is deleted	Per APN	Standard
apn	qci70-setupbear	INT32	Incremental	active	The total number of QCI70 bearers setup.	Increments when QCI 70 bearer creation is accepted	Per APN	Standard
apn	qci70-relbear	INT32	Incremental	active	The total number of QCI70 released bearers.	Increments when QCI70 bearer released	Per APN	Standard
apn	qci70-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI70 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 70 bearer successfully	Per APN	Standard
apn	qci70-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI70 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 70 bearer and successfully forwarded	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci70-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI70 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 70 bearer and successfully forwarded	Per APN	Standard
apn	qci70-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI70 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 70 bearer and successfully forwarded	Per APN	Standard
apn	qci70-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI70 uplink packets dropped.	Increments when a uplink packet for QCI 70 is dropped	Per APN	Standard
apn	qci70-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI70 downlink packets dropped.	Increments when a downlink packet for QCI 70 is dropped	Per APN	Standard
apn	qci70-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI70 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 70 is dropped	Per APN	Standard
apn	qci70-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI70 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 70 is dropped	Per APN	Standard
apn	qci70-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI70 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 70 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci70-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI70 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 70 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci70-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI70 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 70 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci70-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI70 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 70 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci70-rejbearer	INT32	Incremental	active	The total number of QCI70 rejected bearers.	Increments when QCI 70 bearer creation is rejected	Per APN	Standard
apn	nonstdqci-nongbr-actbear	INT32	Gauge	active	The total number of non-standard QCI, non-GBR active bearers.	Increments when a non-standard QCI, non-GBR active bearer is created.	Per APN	Standard
apn	nonstdqci-nongbr-setupbear	INT32	Incremental	active	The total number of non-standard QCI, non-GBR bearers setup.	Increments when a non-standard QCI, non-GBR bearer setup is created.	Per APN	Standard
apn	nonstdqci-nongbr-relbear	INT32	Incremental	active	The total number of non-standard QCI, non-GBR released bearers.	Increments when a non-standard QCI, non-GBR bearer is released.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	nonstdqci-nongbr-uplinkpkt-fwd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink packets forwarded.	Increments when non-standard QCI, non-GBR uplink packet is forwarded.	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkpkt-fwd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink packets forwarded.	Increments when non-standard QCI, non-GBR downlink packet is forwarded.	Per APN	Standard
apn	nonstdqci-nongbr-uplinkbyte-fwd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink bytes forwarded.	Increments when non-standard QCI, non-GBR uplink byte is forwarded.	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkbyte-fwd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink bytes forwarded.	Increments when non-standard QCI, non-GBR downlink byte is forwarded.	Per APN	Standard
apn	nonstdqci-nongbr-uplinkpkt-drop	INT32	Incremental	active	The total number of non-standard QCI, non-GBR uplink packets dropped.	Increments when non-standard QCI, non-GBR uplink packet is dropped.	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkpkt-drop	INT32	Incremental	active	The total number of non-standard QCI, non-GBR downlink packets dropped.	Increments when non-standard QCI, non-GBR downlink packet is dropped.	Per APN	Standard
apn	nonstdqci-nongbr-uplinkbyte-drop	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink bytes dropped.	Increments when non-standard QCI, non-GBR uplink bytes are dropped.	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkbyte-drop	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink bytes dropped.	Increments when non-standard QCI, non-GBR downlink bytes are dropped.	Per APN	Standard
apn	nonstdqci-nongbr-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of non-standard QCI, non-GBR uplink packets dropped(MBR exceeded)	Incremented when an uplink packet is dropped for bearer for exceeding Maximum Bit Rate (MBR).	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of non-standard QCI, non-GBR downlink packets dropped (MBR exceeded)	Incremented when a downlink packet is dropped for bearer for exceeding Maximum Bit Rate (MBR).	Per APN	Standard
apn	nonstdqci-nongbr-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink bytes dropped (MBR exceeded)	Incremented when uplink byte is dropped for bearer for exceeding Maximum Bit Rate (MBR).	Per APN	Standard
apn	nonstdqci-nongbr-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink bytes dropped (MBR exceeded)	Incremented when downlink bytes are dropped for bearer for exceeding Maximum Bit Rate (MBR).	Per APN	Standard
apn	nonstdqci-nongbr-rejbearer	INT32	Incremental	active	The total number of non-standard QCI non-GBR bearers rejected.	Incremented when non-standard QCI, non-GBR bearer creation is rejected	Per APN	Standard
apn	nonstdqci-gbr-actbear	INT32	Gauge	active	The total number of non-standard QCI, GBR active bearers.	Increments when a non-standard QCI, GBR active bearer is created.	Per APN	Standard
apn	nonstdqci-gbr-setupbear	INT32	Incremental	active	The total number of non-standard QCI, GBR bearers setup.	Increments when a non-standard QCI, GBR bearer setup is created.	Per APN	Standard
apn	nonstdqci-gbr-relbear	INT32	Incremental	active	The total number of non-standard QCI, GBR released bearers.	Increments when a non-standard QCI, GBR bearer is released	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	nonstdqci-gbr-uplinkpkt-fwd	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink packets forwarded.	Increments when non-standard QCI, GBR uplink packet is forwarded.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkpkt-fwd	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink packets forwarded.	Increments when non-standard QCI, GBR downlink packet is forwarded.	Per APN	Standard
apn	nonstdqci-gbr-uplinkbyte-fwd	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink bytes forwarded.	Increments when non-standard QCI, GBR uplink byte is forwarded.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkbyte-fwd	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink bytes forwarded.	Increments when non-standard QCI, GBR downlink byte is forwarded.	Per APN	Standard
apn	nonstdqci-gbr-uplinkpkt-drop	INT32	Incremental	active	The total number of non-standard QCI, GBR uplink packets dropped.	Increments when non-standard QCI, GBR uplink packet is dropped.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkpkt-drop	INT32	Incremental	active	The total number of non-standard QCI, GBR downlink packets dropped.	Increments when non-standard QCI,GBR downlink packet is dropped.	Per APN	Standard
apn	nonstdqci-gbr-uplinkbyte-drop	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink bytes dropped.	Increments when non-standard QCI, GBR uplink byte is dropped.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkbyte-drop	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink bytes dropped.	Increments when non-standard QCI, GBR downlink byte is dropped.	Per APN	Standard
apn	nonstdqci-gbr-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of non-standard QCI, GBR uplink packets dropped when MBR exceeded.	Increments when non-standard QCI, GBR uplink packet is dropped when MBR is exceeded.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of non-standard QCI, GBR downlink packets dropped when MBR exceeded.	Increments when non-standard QCI, GBR downlink packet is dropped when MBR is exceeded.	Per APN	Standard
apn	nonstdqci-gbr-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink bytes dropped when MBR exceeded.	Increments when non-standard QCI, GBR uplink byte is dropped when MBR is exceeded.	Per APN	Standard
apn	nonstdqci-gbr-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink bytes dropped when MBR exceeded.	Increments when non-standard QCI, GBR downlink byte is dropped when MBR is exceeded.	Per APN	Standard
apn	nonstdqci-gbr-rejbearer	INT32	Incremental	active	The total number of non-standard QCI bearers rejeceted.	Increments when non-standard QCI GBR bearer is rejected.	Per APN	Standard
apn	invalidqci-rejbearer	INT32	Incremental	active	The total number of invalid/non-configured QCI bearers rejected.	Increments when a incorrectly QCI configured bearer is rejected.	Per APN	Standard
apn	inovrchrgprtctn-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to Overcharging protection.	Increments by the number of input packets dropped due to Overcharging protection.	Per APN	Standard
apn	insgwrstr-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to SGW Restoration.	Increments by the number of input packets dropped due to SGW Restoration.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	insdfgate-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to Dynamic Rule level throttling.	Increments by the number of input packets dropped due to Dynamic Rule level throttling.	Per APN	Standard
apn	initcgate-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to flow limits exceeded.	Increments by the number of input packets dropped due to flow limits exceeded.	Per APN	Standard
apn	intermflow-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Increments by the number of input packets dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Per APN	Standard
apn	intermsubsess-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to Bearer termination.	Increments by the number of input packets dropped due to bearer termination.	Per APN	Standard
apn	intermcall-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to session termination.	Increments by the number of input packets dropped due to session termination.	Per APN	Standard
apn	indccadiscard-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to DCCA not enabled but charging action has credit-control configured.	Increments by the number of input packets dropped due to DCCA not enabled but charging action has credit-control configured.	Per APN	Standard
apn	indccafuidiscard-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to DCCA FUI(Final Unit Indication) action.	Increments by the number of input packets dropped due to DCCA FUI (Final Unit Indication) action.	Per APN	Standard
apn	ingxnomatch-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to no rule match.	Increments by the number of input packets dropped due to no rule match.	Per APN	Standard
apn	inicap-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Increments by the number of input packets dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Per APN	Standard
apn	insfw-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to SFW(Software Firewall) action.	Increments by the number of input packets dropped due to SFW(Software Firewall) action.	Per APN	Standard
apn	inhierenfgate-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to Hierarchical enforcement flow status.	Increments by the number of input packets dropped due to Hierarchical enforcement flow status.	Per APN	Standard
apn	indynamiccagate-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to dynamic CA gate.	Increments by the number of input packets dropped due to dynamic CA gate.	Per APN	Standard
apn	incancelnat64-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped because IPv6 packets received are translated to IPv4 by NAT.	Increments by the number of input packets dropped because IPv6 packets received are translated to IPv4 by NAT.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	inbearernotfound-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped because no associated bearer is not found.	Increments by the number of input packets dropped because no associated bearer is not found.	Per APN	Standard
apn	apn-rate-control-ul-pkt-drop	INT32	Incremental	active	Number of input packets dropped in the APN	Not Defined	Not Defined	Standard
apn	outovrchrgprtctn-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to Overcharging protection.	Increments by the number of output packets dropped due to Overcharging protection.	Per APN	Standard
apn	invalid-dst-port-pkt-drop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid destination port for a non-IP APN PDN.	Increments by the number of downlink packets dropped due to invalid dest port for non-ip PDN.	Per APN	Standard
apn	invalid-tun-proto-pkt-drop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid SGi tunnel protocol for a non-IP APN PDN.	Increments by the number of downlink packets dropped due to invalid SGi tunnel protocol for non-ip PDN.	Per APN	Standard
apn	invalid-as-src-pkt-drop	INT32	Incremental	active	This statistics indicates the total number of downlink packets dropped due to invalid application server source address for a non-IP APN PDN.	Increments by the number of downlink packets dropped due to invalid application server source address for non-ip PDN.	Per APN	Standard
apn	outsgwrstr-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to SGW Restoration.	Increments by the number of output packets dropped due to SGW Restoration.	Per APN	Standard
apn	outsdfgate-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to Dynamic Rule level throttling.	Increments by the number of output packets dropped due to Dynamic Rule level throttling.	Per APN	Standard
apn	outitcgate-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to flow limits exceeded.	Increments by the number of output packets dropped due to flow limits exceeded.	Per APN	Standard
apn	outtermflow-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Increments by the number of output packets dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Per APN	Standard
apn	outtermsubsess-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to Bearer termination.	Increments by the number of output packets dropped due to bearer termination.	Per APN	Standard
apn	outtermcall-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to session termination.	Increments by the number of output packets dropped due to session termination.	Per APN	Standard
apn	outdccadiscard-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to DCCA not enabled but charging action has credit-control configured.	Increments by the number of output packets dropped due to DCCA not enabled but charging action has credit-control configured.	Per APN	Standard
apn	outdccafuidiscard-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to DCCA FUI(Final Unit Indication) action.	Increments by the number of output packets dropped due to DCCA FUI (Final Unit Indication) action.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	outgxnomatch-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to no rule match.	Increments by the number of output packets dropped due to no rule match.	Per APN	Standard
apn	outicap-pkt-drop	INT32	Incremental	active	Data Statistics IP input packets dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Increments by the number of input packets dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Per APN	Standard
apn	outsfw-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to SFW(Software Firewall) action.	Increments by the number of output packets dropped due to SFW(Software Firewall) action.	Per APN	Standard
apn	outhierenfgate-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to Hierarchical enforcement flow status.	Increments by the number of output packets dropped due to Hierarchical enforcement flow status.	Per APN	Standard
apn	outdynamiccagate-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped due to dynamic CA gate.	Increments by the number of output packets dropped due to dynamic CA gate.	Per APN	Standard
apn	outcancelnat64-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped because IPv6 packets received are translated to IPv4 by NAT.	Increments by the number of output packets dropped because IPv6 packets received are translated to IPv4 by NAT.	Per APN	Standard
apn	outbearernotfound-pkt-drop	INT32	Incremental	active	Data Statistics IP output packets dropped because no associated bearer is not found.	Increments by the number of output packets dropped because no associated bearer is not found.	Per APN	Standard
apn	apn-rate-control-dl-pkt-drop	INT32	Incremental	active	Number of output packets dropped in the APN	Not Defined	Not Defined	Standard
apn	inovrchrgprtctn-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to Overcharging protection.	Increments by the number of input bytes dropped due to Overcharging protection.	Per APN	Standard
apn	insgwrstr-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to SGW Restoration.	Increments by the number of input bytes dropped due to SGW Restoration.	Per APN	Standard
apn	insdfgate-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to Dynamic Rule level throttling.	Increments by the number of input bytes dropped due to Dynamic Rule level throttling.	Per APN	Standard
apn	initcgate-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to flow limits exceeded.	Increments by the number of input bytes dropped due to flow limits exceeded.	Per APN	Standard
apn	intermflow-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Increments by the number of input bytes bytedropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Per APN	Standard
apn	intermsubsess-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to Bearer termination.	Increments by the number of input bytes dropped due to bearer termination.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	intermcall-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to session termination.	Increments by the number of input bytes dropped due to session termination.	Per APN	Standard
apn	indccadiscard-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to DCCA not enabled but charging action has credit-control configured.	Increments by the number of input bytes dropped due to DCCA not enabled but charging action has credit-control configured.	Per APN	Standard
apn	indccafuidiscard-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to DCCA FUI(Final Unit Indication) action.	Increments by the number of input bytes dropped due to DCCA FUI (Final Unit Indication) action.	Per APN	Standard
apn	ingxnomatch-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to no rule match.	Increments by the number of input bytes dropped due to no rule match.	Per APN	Standard
apn	inicap-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Increments by the number of input bytes dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Per APN	Standard
apn	insfw-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to SFW(Software Firewall) action.	Increments by the number of input bytes dropped due to SFW(Software Firewall) action.	Per APN	Standard
apn	inhierenfgate-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to Hierarchical enforcement flow status.	Increments by the number of input bytes dropped due to Hierarchical enforcement flow status.	Per APN	Standard
apn	indynamiccagate-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to dynamic CA gate.	Increments by the number of input bytes dropped due to dynamic CA gate.	Per APN	Standard
apn	incancelnat64-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped because IPv6 packets received are translated to IPv4 by NAT.	Increments by the number of input bytes dropped because IPv6 packets received are translated to IPv4 by NAT.	Per APN	Standard
apn	inbearernotfound-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped because no associated bearer is not found.	Increments by the number of input bytes dropped because no associated bearer is not found.	Per APN	Standard
apn	apn-rate-control-ul-bytes-drop	INT64	Incremental	active	Number of input bytes dropped in the APN.	Not Defined	Not Defined	Standard
apn	outovrchrgprtctn-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to Overcharging protection.	Increments by the number of output bytes dropped due to Overcharging protection.	Per APN	Standard
apn	outsgwrstr-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to SGW Restoration.	Increments by the number of output bytes dropped due to SGW Restoration.	Per APN	Standard
apn	outsdfgate-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to Dynamic Rule level throttling.	Increments by the number of output bytes dropped due to Dynamic Rule level throttling.	Per APN	Standard
apn	outitcgate-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to flow limits exceeded.	Increments by the number of output bytes dropped due to flow limits exceeded.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	outtermflow-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow actionon redirect in charging action, and Redirection from OCS.	Increments by the number of output bytes dropped due to Flow status redirect, Flow status remove, Flow status terminate, Flow action discard, Flow action redirect in charging action, and Redirection from OCS.	Per APN	Standard
apn	outtermsubsess-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to Bearer termination.	Increments by the number of output bytes dropped due to bearer termination.	Per APN	Standard
apn	outtermcall-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to session termination.	Increments by the number of output bytes dropped due to session termination.	Per APN	Standard
apn	outdccadiscard-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to DCCA not enabled but charging action has credit-control configured.	Increments by the number of output bytes dropped due to DCCA not enabled but charging action has credit-control configured.	Per APN	Standard
apn	outdccafuidiscard-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to DCCA FUI(Final Unit Indication) action.	Increments by the number of output bytes dropped due to DCCA FUI (Final Unit Indication) action.	Per APN	Standard
apn	outgxnomatch-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to no rule match.	Increments by the number of output bytes dropped due to no rule match.	Per APN	Standard
apn	outicap-byte-drop	INT64	Incremental	active	Data Statistics IP input bytes dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Increments by the number of input bytes dropped due to ICAP(Internet Content Adaption Protocol) action : discard or terminate flow.	Per APN	Standard
apn	outsfw-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to SFW(Software Firewall) action.	Increments by the number of output bytes dropped due to SFW(Software Firewall) action.	Per APN	Standard
apn	outhierenfgate-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to Hierarchical enforcement flow status.	Increments by the number of output bytes dropped due to Hierarchical enforcement flow status.	Per APN	Standard
apn	outdynamiccagate-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped due to dynamic CA gate.	Increments by the number of output bytes dropped due to dynamic CA gate.	Per APN	Standard
apn	outcancelnat64-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped because IPv6 packets received are translated to IPv4 by NAT.	Increments by the number of output bytes dropped because IPv6 packets received are translated to IPv4 by NAT.	Per APN	Standard
apn	outbearernotfound-byte-drop	INT64	Incremental	active	Data Statistics IP output bytes dropped because no associated bearer is not found.	Increments by the number of output bytes dropped because no associated bearer is not found.	Per APN	Standard
apn	apn-rate-control-dl-bytes-drop	INT64	Incremental	active	Number of output packtes dropped in the APN	Not Defined	Not Defined	Standard
apn	primary-fqdn-dns-att	INT32	Incremental	active	The total number of DNS queries sent by HSGW for resolving primary fqdn of PGW.	Per APN	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	secondary-fqdn-dns-att	INT32	Incremental	active	The total number of DNS queries sent by HSGW for resolving secondary fqdn of PGW.	Per APN	Per APN	Standard
apn	primary-fqdn-dns-fail	INT32	Incremental	active	The total number of DNS queries failed on HSGW while resolving primary fqdn of PGW.	Per APN	Per APN	Standard
apn	secondary-fqdn-dns-fail	INT32	Incremental	active	The total number of DNS queries failed on HSGW while resolving secondary fqdn of PGW.	Per APN	Per APN	Standard
apn	primary-fqdn-dns-success	INT32	Incremental	active	The total number of successful DNS response received by HSGW for primary fqdn of PGW.	Per APN	Per APN	Standard
apn	secondary-fqdn-dns-success	INT32	Incremental	active	The total number of successful DNS response received by HSGW for secondary fqdn of PGW.	Per APN	Per APN	Standard
apn	pbu-sent-to-primary-fqdn-timeout	INT32	Incremental	active	The total number of DNS response timedout on HSGW while resolving primary fqdn of PGW.	Per APN	Per APN	Standard
apn	pbu-sent-to-secondary-fqdn-timeout	INT32	Incremental	active	The total number of DNS response timedout on HSGW while resolving secondary fqdn of PGW.	Per APN	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear	INT32	Incremental	active	Aggregation of dedicated bearers released due to admin clear from P-GW for standard QCIs qci1 to qci9.	Increments when a P-GW dedicated bearer is released by admin clear for any of the standard QCIs (qci1 to qci9)	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci1	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci1.	Increments when a P-GW dedicated bearer is released by admin clear for qci1.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci2	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci2.	Increments when a P-GW dedicated bearer is released by admin clear for qci2.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci3	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci3.	Increments when a P-GW dedicated bearer is released by admin clear for qci3.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci4	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci4.	Increments when a P-GW dedicated bearer is released by admin clear for qci4.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci5	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci5.	Increments when a P-GW dedicated bearer is released by admin clear for qci5.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci6	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci6.	Increments when a P-GW dedicated bearer is released by admin clear for qci6.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci7	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci7.	Increments when a P-GW dedicated bearer is released by admin clear for qci7.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci8	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci8.	Increments when a P-GW dedicated bearer is released by admin clear for qci8.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci9	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci9.	Increments when a P-GW dedicated bearer is released by admin clear for qci9.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci65	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci65.	Increments when a P-GW dedicated bearer is released by admin clear for qci65.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci66	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci66.	Increments when a P-GW dedicated bearer is released by admin clear for qci66.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci69	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci69.	Increments when a P-GW dedicated bearer is released by admin clear for qci69.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	sessstat-bearrel-ded-admin-clear-qci70	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci70.	Increments when a P-GW dedicated bearer is released by admin clear for qci70.	Per APN	Standard
apn	nat-alloc-pilot-packet-sent-per-apn	INT64	Incremental	active	Total number of pilot packets sent per APN for every IP/Port allocation for all NAT enabled calls.	Not Defined	Per APN	Standard
apn	nat-de-alloc-pilot-packet-sent-per-apn	INT64	Incremental	active	Total number of pilot packets sent per APN for every IP/Port de-allocation for all NAT enabled calls.	Not Defined	Per APN	Standard
apn	non-nat-alloc-pilot-packet-sent-per-apn	INT64	Incremental	active	Total number of pilot packets sent per APN for every IP/Port allocation for all non-NAT calls.	Not Defined	Per APN	Standard
apn	non-nat-de-alloc-pilot-packet-sent-per-apn	INT64	Incremental	active	Total number of pilot packets sent per APN for every IP/Port de-allocation for all non-NAT calls.	Not Defined	Per APN	Standard
apn	rat-change-user-info-pilot-packet-sent-per-apn	INT64	Incremental	active	Not Defined	Not Defined	Per APN	Standard
apn	rat-change-nat-info-pilot-packet-sent-per-apn	INT64	Incremental	active	Not Defined	Not Defined	Per APN	Standard
apn	nonstdqci-nongbr-relbear-ded-idle-inact	INT64	Incremental	active	The total number of non-GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a non-GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per APN	Standard
apn	nonstdqci-gbr-relbear-ded-idle-inact	INT64	Incremental	active	The total number of GBR dedicated bearers with a non-standard QCI released due to an idle or bearer inactivity timeout.	Increments when a GBR dedicated bearer with a non-standard QCI is released due to an idle or bearer inactivity timeout.	Per APN	Standard
apn	stdqci-nongbr-relbear	INT64	Incremental	active	The total number of non-GBR bearers with a standard QCI released.	Increments when non-GBR bearer with a standard QCI is released.	Per APN	Standard
apn	stdqci-nongbr-relbear-ded-idle-inact	INT64	Incremental	active	The total number of non-GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a non-GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per APN	Standard
apn	stdqci-gbr-relbear	INT64	Incremental	active	The total number of GBR bearers with a standard QCI released.	Increments when a GBR bearer with a standard QCI is released.	Per APN	Standard
apn	stdqci-gbr-relbear-ded-idle-inact	INT64	Incremental	active	The total number of GBR dedicated bearers with a standard QCI released due to an idle or bearer inactivity timeout.	Increments when a GBR dedicated bearer with a standard QCI is released due to an idle or bearer inactivity timeout.	Per APN	Standard
apn	rej-pdn-backofftimer	INT32	Incremental	active	Number of LAPI (Low Access Priority Indicator) PDN sessions that are rejected due to overload (e.g. M2M sessions).	Incremented when Create Session Request is received with Signal Priority IE or PDN is configured as LAPI (Low Access Priority Indicator) and system is in overload state and Backoff timer is configured for the APN.	Per APN	Standard
apn	apn-handoverstat-ltetos2bgtpsucc-timerexpiry	INT32	Incremental	active	Number of LTE to S2bGTP handover succeeded on Timer Expiry	Increments when LTE to S2bGTP handover is successful upon Timer Expiry	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	apn-handoverstat-ltetos2bgtpsucc-uplnkdata	INT32	Incremental	active	Number of LTE to S2bGTP handover succeeded on Uplink Data on S2b tunnel	Increments when LTE to S2bGTP handover is successful upon Uplink Data on S2b tunnel	Per APN	Standard
apn	att-pdp-ctxt-geran	INT64	Incremental	active	The total number of CPC requests received per APN for a GERAN RAT Type.	Increments when a CPC Request is received for this APN for a GERAN RAT Type	Per Apn	Standard
apn	att-pdp-ctxt-utran	INT64	Incremental	active	The total number of CPC requests received per APN for a UTRAN RAT Type.	Increments when a CPC Request is received for this APN for a UTRAN RAT	Per Apn	Standard
apn	dyn-ipv4-success-geran	INT64	Incremental	active	The total number of IPv4 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a GERAN RAT type.	Increments when IPv4 PDP context request for dynamic address allocation is successful per APN for a GERAN RAT type.	Per APN	Standard
apn	dyn-ipv4-success-utran	INT64	Incremental	active	The total number of IPv4 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a UTRAN RAT type.	Increments when IPv4 PDP context request for dynamic address allocation is successful per APN for a UTRAN RAT type.	Per APN	Standard
apn	dyn-ipv6-success-geran	INT64	Incremental	active	The total number of IPv6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a GERAN RAT type.	Increments when IPv6 PDP context request for dynamic address allocation is successful per APN for a GERAN RAT type.	Per APN	Standard
apn	dyn-ipv6-success-utran	INT64	Incremental	active	The total number of IPv6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a UTRAN RAT type.	Increments when IPv6 PDP context request for dynamic address allocation is successful per APN for a UTRAN RAT type.	Per APN	Standard
apn	uplnk-bytes-geran	INT64	Incremental	active	The total number of bytes sent from the APN for a GERAN RAT type towards the Internet/PDN on the Gi interface.	Increments by the number of uplink data bytes sent on the Gi interface for the APN for a GERAN RAT type.	Per APN	Standard
apn	dnlnk-bytes-geran	INT64	Incremental	active	The total number of bytes received for a GERAN RAT type on the Gi interface for the APN.	Increments by the number of downlink data bytes received on the Gi interface for the APN for a GERAN RAT type.	Per APN	Standard
apn	uplnk-bytes-utran	INT64	Incremental	active	The total number of bytes sent from the APN for a UTRAN RAT type towards the Internet/PDN on the Gi interface.	Increments by the number of uplink data bytes sent on the Gi interface for the APN for a UTRAN RAT type.	Per APN	Standard
apn	dnlnk-bytes-utran	INT64	Incremental	active	The total number of bytes received for a UTRAN RAT type on the Gi interface for the APN.	Increments by the number of downlink data bytes received on the Gi interface for the APN for a UTRAN RAT type.	Per APN	Standard
apn	uplnk-bytes-eutran	INT64	Incremental	active	The total number of bytes sent from the APN for a EUTRAN RAT type towards the Internet/PDN on the Gi interface.	Increments by the number of uplink data bytes sent on the Gi interface for the APN for a EUTRAN RAT type.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	dnlnk-bytes-eutran	INT64	Incremental	active	The total number of bytes received for a EUTRAN RAT type on the Gi interface for the APN.	Increments by the number of downlink data bytes received on the Gi interface for the APN for a EUTRAN RAT type.	Per APN	Standard
apn	dyn-ipv4v6-success-geran	INT64	Incremental	active	The total number of IPv4v6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a GERAN RAT type.	Increments when IPv4v6 PDP context request for dynamic address allocation is successful per APN for a GERAN RAT type.	Per APN	Standard
apn	dyn-ipv4v6-success-utran	INT64	Incremental	active	The total number of IPv4v6 PDP contexts requesting dynamically assigned IP addresses that were successfully setup per APN for a UTRAN RAT type.	Increments when IPv4v6 PDP context request for dynamic address allocation is successful per APN for a UTRAN RAT type.	Per APN	Standard
apn	qci80-actbear	INT32	Gauge	active	The total number of QCI80 active bearers.	Increments when a QCI 80 bearer is successfully created. Decrements when QCI 80 bearer is deleted	Per APN	Standard
apn	qci82-actbear	INT32	Gauge	active	The total number of QCI82 active bearers.	Increments when a QCI 82 bearer is successfully created. Decrements when QCI 82 bearer is deleted	Per APN	Standard
apn	qci83-actbear	INT32	Gauge	active	The total number of QCI83 active bearers.	Increments when a QCI 83 bearer is successfully created. Decrements when QCI 83 bearer is deleted	Per APN	Standard
apn	qci80-setupbear	INT32	Incremental	active	The total number of QCI80 bearers setup.	Increments when QCI 80 bearer creation is accepted	Per APN	Standard
apn	qci82-setupbear	INT32	Incremental	active	The total number of QCI82 bearers setup.	Increments when QCI 82 bearer creation is accepted	Per APN	Standard
apn	qci83-setupbear	INT32	Incremental	active	The total number of QCI83 bearers setup.	Increments when QCI 83 bearer creation is accepted	Per APN	Standard
apn	qci80-relbear	INT32	Incremental	active	The total number of QCI80 released bearers.	Increments when QCI80 bearer released	Per APN	Standard
apn	qci82-relbear	INT32	Incremental	active	The total number of QCI82 released bearers.	Increments when QCI82 bearer released	Per APN	Standard
apn	qci83-relbear	INT32	Incremental	active	The total number of QCI83 released bearers.	Increments when QCI83 bearer released	Per APN	Standard
apn	qci80-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI80 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 80 bearer successfully	Per APN	Standard
apn	qci82-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI82 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 82 bearer successfully	Per APN	Standard
apn	qci83-uplinkpkt-fwd	INT64	Incremental	active	The total number of QCI83 uplink packets forwarded.	Increments when a packet is received from the MS and forwarded to GI for QCI 83 bearer successfully	Per APN	Standard
apn	qci80-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI80 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 80 bearer and successfully forwarded	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci82-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI82 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 82 bearer and successfully forwarded	Per APN	Standard
apn	qci83-dwlinkpkt-fwd	INT64	Incremental	active	The total number of QCI83 downlink packets forwarded.	Increments when a packet is received in downlink for QCI 83 bearer and successfully forwarded	Per APN	Standard
apn	qci80-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI80 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 80 bearer and successfully forwarded	Per APN	Standard
apn	qci82-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI82 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 82 bearer and successfully forwarded	Per APN	Standard
apn	qci83-uplinkbyte-fwd	INT64	Incremental	active	The total number of QCI83 uplink bytes forwarded.	Increments by number of bytes in packet when a packet is received from the MS and forwarded to GI for QCI 83 bearer and successfully forwarded	Per APN	Standard
apn	qci80-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI80 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 80 bearer and successfully forwarded	Per APN	Standard
apn	qci82-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI82 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 82 bearer and successfully forwarded	Per APN	Standard
apn	qci83-dwlinkbyte-fwd	INT64	Incremental	active	The total number of QCI83 downlink bytes forwarded.	Increments by number of bytes in packet when a packet is received in downlink for QCI 83 bearer and successfully forwarded	Per APN	Standard
apn	qci80-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI80 uplink packets dropped.	Increments when a uplink packet for QCI 80 is dropped	Per APN	Standard
apn	qci82-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI82 uplink packets dropped.	Increments when a uplink packet for QCI 82 is dropped	Per APN	Standard
apn	qci83-uplinkpkt-drop	INT32	Incremental	active	The total number of QCI83 uplink packets dropped.	Increments when a uplink packet for QCI 83 is dropped	Per APN	Standard
apn	qci80-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI80 downlink packets dropped.	Increments when a downlink packet for QCI 80 is dropped	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci82-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI82 downlink packets dropped.	Increments when a downlink packet for QCI 82 is dropped	Per APN	Standard
apn	qci83-dwlinkpkt-drop	INT32	Incremental	active	The total number of QCI83 downlink packets dropped.	Increments when a downlink packet for QCI 83 is dropped	Per APN	Standard
apn	qci80-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI80 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 80 is dropped	Per APN	Standard
apn	qci82-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI82 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 82 is dropped	Per APN	Standard
apn	qci83-uplinkbyte-drop	INT64	Incremental	active	The total number of QCI83 uplink bytes dropped.	Increments by number of bytes in packet when an uplink packet for QCI 83 is dropped	Per APN	Standard
apn	qci80-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI80 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 80 is dropped	Per APN	Standard
apn	qci82-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI82 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 82 is dropped	Per APN	Standard
apn	qci83-dwlinkbyte-drop	INT64	Incremental	active	The total number of QCI83 downlink bytes dropped.	Increments by number of bytes in packet when a downlink packet for QCI 83 is dropped	Per APN	Standard
apn	qci80-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI80 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 80 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci82-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI82 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 82 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci83-uplinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI83 uplink packets dropped due to MBR being exceeded.	Increments when an uplink packet dropped for QCI 83 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci80-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI80 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 80 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci82-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI82 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 82 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci83-dwlinkpkt-drop-mbrexcd	INT32	Incremental	active	The total number of QCI83 downlink packets dropped due to MBR being exceeded.	Increments when a downlink packet dropped for QCI 83 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn	qci80-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI80 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 80 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci82-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI82 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 82 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci83-uplinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI83 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when an uplink packet dropped for QCI 83 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci80-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI80 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 80 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci82-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI82 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 82 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci83-dwlinkbyte-drop-mbrexcd	INT64	Incremental	active	The total number of QCI83 uplink bytes dropped due to MBR being exceeded.	Increments by number of bytes in packet when a downlink packet dropped for QCI 83 bearer Maximum Bit Rate (MBR) exceeded	Per APN	Standard
apn	qci80-rejbearer	INT32	Incremental	active	The total number of QCI80 rejected bearers.	Increments when QCI 80 bearer creation is rejected	Per APN	Standard
apn	qci82-rejbearer	INT32	Incremental	active	The total number of QCI82 rejected bearers.	Increments when QCI 82 bearer creation is rejected	Per APN	Standard
apn	qci83-rejbearer	INT32	Incremental	active	The total number of QCI83 rejected bearers.	Increments when QCI 83 bearer creation is rejected	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci80	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci80.	Increments when a P-GW dedicated bearer is released by admin clear for qci80.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci82	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci82.	Increments when a P-GW dedicated bearer is released by admin clear for qci82.	Per APN	Standard
apn	sessstat-bearrel-ded-admin-clear-qci83	INT32	Incremental	active	Dedicated bearers released due to admin clear from P-GW for qci83.	Increments when a P-GW dedicated bearer is released by admin clear for qci83.	Per APN	Standard
lac	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
lac	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the LAC service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
lac	servname	STRING	Primary-key	active	The name of the LAC service for which these statistics are being displayed.	Configuration	Per LAC Service	Standard
lac	tun-conn-attempt	INT32	Incremental	active	The total number of tunnel connection attempts.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-conn-success	INT32	Incremental	active	The total number of successful tunnel connections.	Not Defined	per L2TP service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lac	tun-conn-fail	INT32	Incremental	active	The total number of failed tunnel connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-conn-curactive	INT32	Gauge	active	The total number of currently active tunnel connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-attempts	INT32	Incremental	active	The total number of session connection attempts.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-successful	INT32	Incremental	active	The total number of successful session connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-failed	INT32	Incremental	active	The total number of failed session connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-curactive	INT32	Gauge	active	The total number of currently active session connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-intrapdsnho-attempt	INT32	Incremental	active	The total number of Intra-PDSN Hand-Offs connection attempts.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-intrapdsnho-success	INT32	Incremental	active	The total number of successful Intra-PDSN Hand-Offs connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-intrapdsnho-failed	INT32	Incremental	active	The total number of failed Intra-PDSN Hand-Offs connections.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-interpdsnho-attempt	INT32	Incremental	active	The total number of Inter-PDSN Hand-Offs connection attempts.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-malformed	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to malformed packets .	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-ctrlfield	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to control field errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-pktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to packet length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-avplen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to AVP length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-protover	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to protocol version errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-md5	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to MD5 errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-invattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid attribute errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-unkattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown attribute errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-invsessid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid session ID errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-invstate	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid state errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-unkmsg	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown message errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-unmatchpktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unmatched packet length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	recv-err-invtunid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid tunnel length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-genclear	INT32	Incremental	active	The total number of tunnels cleared normally.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-ctrlconnexists	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to a pre-existing control connection.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-unauth	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unauthorized errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-badproto	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to bad protocol errors.	Not Defined	per L2TP service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lac	tun-reqshutdown	INT32	Incremental	active	The total number of tunnel disconnects experienced due to requester shutdown.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-statemacherr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to state machine errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-badlen	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to wrong length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-oor	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to out-of-range errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-noresource	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to insufficient resources.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-vendspec	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to vendor-specific errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-tryanotherlns	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-unkavp	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-ipsecdisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to IPSEC.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-ipsecfail	INT32	Incremental	active	The total number of tunnel failures experienced due to IPSEC.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-license	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to license exceeded errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-newcallpoldisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to new call policies.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-maxretry	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to the maximum number of retries being exceeded.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-syslimit	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to reaching the system tunnel limit.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	tun-miscerr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to miscellaneous errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-nogeneral	INT32	Incremental	active	The total number of sessions for which there were no general errors experienced.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-admin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to administrative reasons.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-lossofcarr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to loss of carrier.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-remoteadmin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to remote administrative reasons.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-nofactemp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to temporary no facility available errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-nofacperm	INT32	Incremental	active	The total number of session disconnects/failures experienced due to permanent no facility available errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-invdest	INT32	Incremental	active	The total number of session disconnects/failures experienced due to invalid destination errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-nocarrier	INT32	Incremental	active	The total number of session disconnects/failures experienced due no carrier being detected.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-busysig	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of a busy signal.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-nodialtime	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of no dial tone.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-lactimeout	INT32	Incremental	active	The total number of session disconnects/failures experienced due to LAC timeout.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-noframing	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no appropriate framing.	Not Defined	per L2TP service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lac	sess-noctrlconn	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no control connection existing.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-badlen	INT32	Incremental	active	The total number of session disconnects/failures experienced due to wrong length errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-oor	INT32	Incremental	active	The total number of session disconnects/failures experienced due to out-of-range errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-noresource	INT32	Incremental	active	The total number of session disconnects/failures experienced due to insufficient resources.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-invsessid	INT32	Incremental	active	The total number of session disconnects/failures experienced due to an invalid session ID.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-vendspec	INT32	Incremental	active	The total number of session disconnects/failures experienced due to vendor specific errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-tryanotherlns	INT32	Incremental	active	The total number of session disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-unkavp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-maxtunnel	INT32	Incremental	active	The total number of session disconnects/failures experienced due to reaching the maximum tunnel limit.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-ipsecfail	INT32	Incremental	active	The total number of session failures experienced due to IPSEC.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-ipsecdisc	INT32	Incremental	active	The total number of session disconnects experienced due to IPSEC.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-newcallpoldisc	INT32	Incremental	active	The total number of session disconnects experienced due to new call policies.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-license	INT32	Incremental	active	The total number of session disconnects/failures experienced due to license exceeded errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-servmismatch	INT32	Incremental	active	The total number of session disconnects/failures experienced due to service mismatch errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lac	sess-miscerr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to miscellaneous errors.	Not Defined	per L2TP service, per PCF, per session	Standard
lns	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
lns	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the LNS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
lns	servname	STRING	Primary-key	active	The name of the LNS service for which these statistics are being displayed.	Configuration	Per LNS Service	Standard
lns	tun-conn-attempt	INT32	Incremental	active	The total number of tunnel connection attempts.	Not Defined	Not Defined	Standard
lns	tun-conn-success	INT32	Incremental	active	The total number of successful tunnel connections.	Not Defined	Not Defined	Standard
lns	tun-conn-fail	INT32	Incremental	active	The total number of failed tunnel connections.	Not Defined	Not Defined	Standard
lns	tun-conn-curactive	INT32	Gauge	active	The total number of currently active tunnel connections.	Not Defined	Not Defined	Standard
lns	sess-attempts	INT32	Incremental	active	The total number of session connection attempts.	Not Defined	Not Defined	Standard
lns	sess-successful	INT32	Incremental	active	The total number of successful session connections.	Not Defined	Not Defined	Standard
lns	sess-failed	INT32	Incremental	active	The total number of failed session connections.	Not Defined	Not Defined	Standard
lns	sess-curactive	INT32	Gauge	active	The total number of currently active session connections.	Not Defined	Not Defined	Standard
lns	sess-intrapdsnho-attempt	INT32	Incremental	active	The total number of Intra-PDSN Hand-Offs connection attempts.	Not Defined	Not Defined	Standard
lns	sess-intrapdsnho-success	INT32	Incremental	active	The total number of successful Intra-PDSN Hand-Offs connections.	Not Defined	Not Defined	Standard
lns	sess-intrapdsnho-failed	INT32	Incremental	active	The total number of failed Intra-PDSN Hand-Offs connections.	Not Defined	Not Defined	Standard
lns	sess-interpdsnho-attempt	INT32	Incremental	active	The total number of Inter-PDSN Hand-Offs connection attempts.	Not Defined	Not Defined	Standard
lns	recv-err-malformed	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to malformed packets .	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lns	recv-err-ctrlfield	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to control field errors.	Not Defined	Not Defined	Standard
lns	recv-err-pktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to packet length errors.	Not Defined	Not Defined	Standard
lns	recv-err-avplen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to AVP length errors.	Not Defined	Not Defined	Standard
lns	recv-err-protover	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to protocol version errors.	Not Defined	Not Defined	Standard
lns	recv-err-md5	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to MD5 errors.	Not Defined	Not Defined	Standard
lns	recv-err-invattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid attribute errors.	Not Defined	Not Defined	Standard
lns	recv-err-unkattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown attribute errors.	Not Defined	Not Defined	Standard
lns	recv-err-invsessid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid session ID errors.	Not Defined	Not Defined	Standard
lns	recv-err-invstate	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid state errors.	Not Defined	Not Defined	Standard
lns	recv-err-unkmsg	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown message errors.	Not Defined	Not Defined	Standard
lns	recv-err-unmatchpktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unmatched packet length errors.	Not Defined	Not Defined	Standard
lns	recv-err-invtunid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid tunnel length errors.	Not Defined	Not Defined	Standard
lns	tun-genclear	INT32	Incremental	active	The total number of tunnels cleared normally.	Not Defined	Not Defined	Standard
lns	tun-ctrlconnexists	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to a pre-existing control connection.	Not Defined	Not Defined	Standard
lns	tun-unauth	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unauthorized errors.	Not Defined	Not Defined	Standard
lns	tun-badproto	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to bad protocol errors.	Not Defined	Not Defined	Standard
lns	tun-reqshutdown	INT32	Incremental	active	The total number of tunnel disconnects experienced due to requester shutdown.	Not Defined	Not Defined	Standard
lns	tun-statemacherr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to state machine errors.	Not Defined	Not Defined	Standard
lns	tun-badlen	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to wrong length errors.	Not Defined	Not Defined	Standard
lns	tun-oor	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to out-of-range errors.	Not Defined	Not Defined	Standard
lns	tun-noresource	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to insufficient resources.	Not Defined	Not Defined	Standard
lns	tun-vendspec	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to vendor-specific errors.	Not Defined	Not Defined	Standard
lns	tun-tryanotherlns	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	Not Defined	Standard
lns	tun-unkavp	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	Not Defined	Standard
lns	tun-ipsecdisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to IPSEC.	Not Defined	Not Defined	Standard
lns	tun-ipsecfail	INT32	Incremental	active	The total number of tunnel failures experienced due to IPSEC.	Not Defined	Not Defined	Standard
lns	tun-license	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to license exceeded errors.	Not Defined	Not Defined	Standard
lns	tun-newcallpoldisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to new call policies.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lns	tun-maxretry	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to the maximum number of retries being exceeded.	Not Defined	Not Defined	Standard
lns	tun-syslimit	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to reaching the system tunnel limit.	Not Defined	Not Defined	Standard
lns	tun-miscerr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to miscellaneous errors.	Not Defined	Not Defined	Standard
lns	sess-nogeneral	INT32	Incremental	active	The total number of sessions for which there were no general errors experienced.	Not Defined	Not Defined	Standard
lns	sess-admin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to administrative reasons.	Not Defined	Not Defined	Standard
lns	sess-lossofcarr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to loss of carrier.	Not Defined	Not Defined	Standard
lns	sess-remoteadmin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to remote administrative reasons.	Not Defined	Not Defined	Standard
lns	sess-nofactemp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to temporary no facility available errors.	Not Defined	Not Defined	Standard
lns	sess-nofacperm	INT32	Incremental	active	The total number of session disconnects/failures experienced due to permanent no facility available errors.	Not Defined	Not Defined	Standard
lns	sess-invdest	INT32	Incremental	active	The total number of session disconnects/failures experienced due to invalid destination errors.	Not Defined	Not Defined	Standard
lns	sess-nocarrier	INT32	Incremental	active	The total number of session disconnects/failures experienced due no carrier being detected.	Not Defined	Not Defined	Standard
lns	sess-busysig	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of a busy signal.	Not Defined	Not Defined	Standard
lns	sess-nodialtime	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of no dial tone.	Not Defined	Not Defined	Standard
lns	sess-lactimeout	INT32	Incremental	active	The total number of session disconnects/failures experienced due to LAC timeout.	Not Defined	Not Defined	Standard
lns	sess-noframing	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no appropriate framing.	Not Defined	Not Defined	Standard
lns	sess-noctrlconn	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no control connection existing.	Not Defined	Not Defined	Standard
lns	sess-badlen	INT32	Incremental	active	The total number of session disconnects/failures experienced due to wrong length errors.	Not Defined	Not Defined	Standard
lns	sess-oor	INT32	Incremental	active	The total number of session disconnects/failures experienced due to out-of-range errors.	Not Defined	Not Defined	Standard
lns	sess-noresource	INT32	Incremental	active	The total number of session disconnects/failures experienced due to insufficient resources.	Not Defined	Not Defined	Standard
lns	sess-invsessid	INT32	Incremental	active	The total number of session disconnects/failures experienced due to an invalid session ID.	Not Defined	Not Defined	Standard
lns	sess-vendspec	INT32	Incremental	active	The total number of session disconnects/failures experienced due to vendor specific errors.	Not Defined	Not Defined	Standard
lns	sess-tryanotherlns	INT32	Incremental	active	The total number of session disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	Not Defined	Standard
lns	sess-unkavp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	Not Defined	Standard
lns	sess-maxtunnel	INT32	Incremental	active	The total number of session disconnects/failures experienced due to reaching the maximum tunnel limit.	Not Defined	Not Defined	Standard
lns	sess-ipsecfail	INT32	Incremental	active	The total number of session failures experienced due to IPSEC.	Not Defined	Not Defined	Standard
lns	sess-ipsecdisc	INT32	Incremental	active	The total number of session disconnects experienced due to IPSEC.	Not Defined	Not Defined	Standard
lns	sess-newcallpoldisc	INT32	Incremental	active	The total number of session disconnects experienced due to new call policies.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
lns	sess-license	INT32	Incremental	active	The total number of session disconnects/failures experienced due to license exceeded errors.	Not Defined	Not Defined	Standard
lns	sess-servmismatch	INT32	Incremental	active	The total number of session disconnects/failures experienced due to service mismatch errors.	Not Defined	Not Defined	Standard
lns	sess-miscerr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to miscellaneous errors.	Not Defined	Not Defined	Standard
closedrp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Not Defined	Not Defined	Standard
closedrp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the Closed RP service. This is an internal reference number.	Not Defined	Not Defined	Standard
closedrp	servname	STRING	Primary-key	active	The name of the SLs service for which these statistics are being displayed.	Not Defined	Not Defined	Standard
closedrp	tun-conn-attempt	INT32	Incremental	active	The total number of tunnel connection attempts.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-conn-success	INT32	Incremental	active	The total number of successful tunnel connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-conn-fail	INT32	Incremental	active	The total number of failed tunnel connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-conn-curactive	INT32	Gauge	active	The total number of currently active tunnel connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-attempts	INT32	Incremental	active	The total number of session connection attempts.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-successful	INT32	Incremental	active	The total number of successful session connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-failed	INT32	Incremental	active	The total number of failed session connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-curactive	INT32	Gauge	active	The total number of currently active session connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-intrapdsnho-attempt	INT32	Incremental	active	The total number of Intra-PDSN Hand-Offs connection attempts.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-intrapdsnho-success	INT32	Incremental	active	The total number of successful Intra-PDSN Hand-Offs connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-intrapdsnho-failed	INT32	Incremental	active	The total number of failed Intra-PDSN Hand-Offs connections.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-interpdsnho-attempt	INT32	Incremental	active	The total number of Inter-PDSN Hand-Offs connection attempts.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-malformed	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to malformed packets .	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-ctrlfield	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to control field errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
closedrp	recv-err-pktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to packet length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-avplen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to AVP length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-protover	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to protocol version errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-md5	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to MD5 errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-invattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid attribute errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-unkattr	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown attribute errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-invsessid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid session ID errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-invstate	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid state errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-unkmsg	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unknown message errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-unmatchpktlen	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to unmatched packet length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	recv-err-invtunid	INT32	Incremental	active	The total number of Tunnel Receive Control Packet errors experienced due to invalid tunnel length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-genclear	INT32	Incremental	active	The total number of tunnels cleared normally.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-ctrlconnexists	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to a pre-existing control connection.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-unauth	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unauthorized errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-badproto	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to bad protocol errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-reqshutdown	INT32	Incremental	active	The total number of tunnel disconnects experienced due to requester shutdown.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-statemacherr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to state machine errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-badlen	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to wrong length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
closedrp	tun-oor	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to out-of-range errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-noresource	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to insufficient resources.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-vendspec	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to vendor-specific errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-tryanotherlns	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-unkavp	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-ipsecdisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to IPSEC.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-ipsecfail	INT32	Incremental	active	The total number of tunnel failures experienced due to IPSEC.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-license	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to license exceeded errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-newcallpoldisc	INT32	Incremental	active	The total number of tunnel disconnects experienced due to new call policies.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-maxretry	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to the maximum number of retries being exceeded.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-syslimit	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to reaching the system tunnel limit.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	tun-miscerr	INT32	Incremental	active	The total number of tunnel disconnects/failures experienced due to miscellaneous errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-nogeneral	INT32	Incremental	active	The total number of sessions for which there were no general errors experienced.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-admin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to administrative reasons.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-lossofcarr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to loss of carrier.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-remoteadmin	INT32	Incremental	active	The total number of session disconnects/failures experienced due to remote administrative reasons.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-nofactemp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to temporary no facility available errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-nofacperm	INT32	Incremental	active	The total number of session disconnects/failures experienced due to permanent no facility available errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
closedrp	sess-invdest	INT32	Incremental	active	The total number of session disconnects/failures experienced due to invalid destination errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-nocarrier	INT32	Incremental	active	The total number of session disconnects/failures experienced due no carrier being detected.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-busysig	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of a busy signal.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-nodialtime	INT32	Incremental	active	The total number of session disconnects/failures experienced due to receipt of no dial tone.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-lactimeout	INT32	Incremental	active	The total number of session disconnects/failures experienced due to LAC timeout.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-noframing	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no appropriate framing.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-noctrlconn	INT32	Incremental	active	The total number of session disconnects/failures experienced due to no control connection existing.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-badlen	INT32	Incremental	active	The total number of session disconnects/failures experienced due to wrong length errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-oor	INT32	Incremental	active	The total number of session disconnects/failures experienced due to out-of-range errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-noresource	INT32	Incremental	active	The total number of session disconnects/failures experienced due to insufficient resources.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-invsessid	INT32	Incremental	active	The total number of session disconnects/failures experienced due to an invalid session ID.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-vendspec	INT32	Incremental	active	The total number of session disconnects/failures experienced due to vendor specific errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-tryanotherlns	INT32	Incremental	active	The total number of session disconnects/failures experienced resulting in Try Another LNS message generation.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-unkavp	INT32	Incremental	active	The total number of session disconnects/failures experienced due to unknown AVP with M-bit errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-maxtunnel	INT32	Incremental	active	The total number of session disconnects/failures experienced due to reaching the maximum tunnel limit.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-ipsecfail	INT32	Incremental	active	The total number of session failures experienced due to IPSEC.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-ipsecdisc	INT32	Incremental	active	The total number of session disconnects experienced due to IPSEC.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-newcallpoldisc	INT32	Incremental	active	The total number of session disconnects experienced due to new call policies.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
closedrp	sess-license	INT32	Incremental	active	The total number of session disconnects/failures experienced due to license exceeded errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-servmismatch	INT32	Incremental	active	The total number of session disconnects/failures experienced due to service mismatch errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-miscerr	INT32	Incremental	active	The total number of session disconnects/failures experienced due to miscellaneous errors.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-hocomplete	INT32	Incremental	active	This proprietary counter indicates the total number of session disconnects experienced due to handoff completions.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-invho	INT32	Incremental	active	This proprietary counter indicates the total number of session disconnects/failures experienced due to invalid handoffs.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	sess-duplsess	INT32	Incremental	active	This proprietary counter indicates the total number of session disconnects/failures experienced due to duplicate sessions.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	ttlprepaid	INT32	Incremental	active	The total number of Prepaid calls facilitated by the service.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	curprepaid	INT32	Gauge	active	The total number of Prepaid calls currently being facilitated by the service.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	ttlonlineauthsucc	INT32	Incremental	active	The total number of successful Online Authentications for the service.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
closedrp	ttlonlineauthfail	INT32	Incremental	active	TThe total number of successful Online Authentications for the service.	Not Defined	per Closed-RP PDSN service, per PCF, per session	Standard
dcca	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
dcca	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the DCCA service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
dcca	ipaddr	STRING	Primary-key	active	The IP address of the RADIUS server for which statistics are being collected. The IP address can be specified in IPv4 or IPv6 notation.	Not Applicable	Not Defined	Standard
dcca	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	Not Applicable	Not Defined	Standard
dcca	ccr-inisent	INT64	Incremental	active	Total number of Credit Control Request-Initial (CCR-Initial) messages sent from the system to the Diameter Server. The CCR-I/CCA-I message exchange occurs when a new session is established.	Increments when CCR-I message is successfully sent from the system	Per Gy Server	Standard
dcca	cca-inirec	INT64	Incremental	active	Total number of Credit Control Answer-Initial (CCA-Initial) messages received by the system from the Diameter Server	Increments when CCA-I message is received	Per Gy Server	Standard
dcca	ccr-initimeout	INT64	Incremental	active	Total number of times the CCR-Initial message timeout occurs.	Increments when there is a Tx timeout in CCR-I message	Per Gy Server	Standard
dcca	ccr-updsent	INT64	Incremental	active	Total number of CCR-Update messages sent from the system to the Diameter Server.	Increments when a CCR-U message is sent from the system to the Diameter Server.	Per Gy Server	Standard
dcca	cca-updrec	INT64	Incremental	active	Total number of CCA-Update messages received by the system from the Diameter Server.	Increments when a CCA-U message is received	Per Gy Server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dcca	cca-updtimeout	INT64	Incremental	active	Total number of times the CCA-Update message timeout occurs.	Increments when the CCA-Update message response timeout occurs	Not Defined	Standard
dcca	ccr-event	INT64	Incremental	active	Total number of CCR-Event messages sent.	Increments when the CCR-Event message is successfully sent from the system	Not Defined	Standard
dcca	cca-event	INT64	Incremental	active	Total number of CCA-Event messages received.	Increments when the CCA-Event message is successfully received	Not Defined	Standard
dcca	ccr-event-retry	INT64	Incremental	active	Total number of CCA-Event messages retried.	Increments when the CCA-Event message is retried	Not Defined	Standard
dcca	cca-event-timeout	INT64	Incremental	active	Total number of times the CCA-Event message timeout occurs due to non-arrival of the response for the corresponding CCR-E.	Increments when the CCA-Event message response timeout occurs	Not Defined	Standard
dcca	ccr-tersent	INT64	Incremental	active	Total number of CCR-Terminate messages sent. The CCR/CCA-Terminate message exchange occurs while stopping the Credit-Control-Session.	Increments when a CCR-T message is sent	Per Gy Server	Standard
dcca	cca-terrec	INT64	Incremental	active	Total number of CCA-Terminate messages received.	Increments when a CCA-T message is received	Per Gy Server	Standard
dcca	cca-tertimeout	INT64	Incremental	active	Total number of CCA-Terminate message timeouts.	Increments when the CCA-Terminate message response timeout occurs	Not Defined	Standard
dcca	reauth-anssent	INT64	Incremental	active	Total number of Re-Authorization Answer messages sent.	Increments when a RAA message is sent	Per Gy Server	Standard
dcca	reauth-reqrec	INT64	Incremental	active	Total number of Re-authorization Request messages received.	Increments when a RAR message is received	Per Gy Server	Standard
dpca	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
dpca	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the DPCA service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
dpca	ipaddr	STRING	Primary-key	active	The IP address of the server for which statistics are being collected. The IP address can be specified in IPv4 or IPv6 notation.	Not Applicable	Not Defined	Standard
dpca	port	INT32	Primary-key	active	The UDP port being used for the exchange of DPCA data.	Not Applicable	Per IMS Autorization Service	Standard
dpca	ccr-inisent	INT32	Incremental	active	Total number of Credit Control Request-Initial (CCR-Initial) messages sent.	Increments when CCR-I message is sent	Per IMS authorization service	Standard
dpca	cca-inirec	INT32	Incremental	active	Total number of Credit Control Answer-Initial (CCA-Initial) messages received.	Increments when CCA-I message is received	Per IMS authorization service	Standard
dpca	ccr-initimeout	INT32	Incremental	active	Total number of CCR-Initial message timeouts.	Increments when there is a Tx timeout in CCR-I message	Per IMS authorization service	Standard
dpca	ccr-updsent	INT32	Incremental	active	Total number of CCR-Update messages sent.	Increments when a CCR-U message is sent	Per IMS authorization service	Standard
dpca	cca-updrec	INT32	Incremental	active	Total number of CCA-Update messages received.	Increments when a CCA-U message is received	Per IMS authorization service	Standard
dpca	ccr-updtimeout	INT32	Incremental	active	Total number of CCR-Update message timeouts.	Increments when there is a Tx timeout in CCR-U message	Per IMS authorization service	Standard
dpca	ccr-tersent	INT32	Incremental	active	Total number of CCR-Terminate messages sent.	Increments when a CCR-T message is sent	Per IMS authorization service	Standard
dpca	cca-terrec	INT32	Incremental	active	Total number of CCA-Terminate messages received.	Increments when a CCA-T message is received	Per IMS authorization service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
dpca	ccr-tertimeout	INT32	Incremental	active	Total number of times the CCR-Terminate message timeout occurs.	Increments when there is a Tx timeout in CCR-T message	Per IMS authorization service	Standard
dpca	reauth-anssent	INT32	Incremental	active	Total number of Re-Authorization Answer messages sent.	Increments when a RAA message is sent	Per IMS authorization service	Standard
dpca	reauth-reqrec	INT32	Incremental	active	Total number of Re-authorization Request messages received.	Increments when a RAR message is received	Per IMS authorization service	Standard
dpca	pending-trans-rarsent	INT32	Incremental	active	Total number of times the Experimental result code DIAMETER_PENDING_TRANSACTION (4198) is sent to the server.	Increments when a DIAMETER_PENDING_TRANSACTION is sent to the server	Per IMS authorization service	Standard
dpca	pending-trans-ccarcvd	INT32	Incremental	active	Total number of times the Experimental result code DIAMETER_PENDING_TRANSACTION (4198) is detected from the server.	Increments when a DIAMETER_PENDING_TRANSACTION is detected from server.	Per IMS authorization service	Standard
dpca	sync-req-cca-rcvd	INT32	Incremental	active	Total number of session sync requests received in CCA at server level	Increments when a session sync request is received in CCA at server level	Per IMS authorization service	Standard
dpca	sync-req-rar-rcvd	INT32	Incremental	active	Total number of session sync requests received in RAR at server level	Increments when a session sync request is received in RAR at server level	Per IMS authorization service	Standard
dpca	sync-req-ccr-sent	INT32	Incremental	active	Total number of CCR-Us sent for session sync at server level	Increments when a CCR-U is sent for session sync at server level	Per IMS authorization service	Standard
dpca	rcvry-req-cca-rcvd	INT32	Incremental	active	Total number of session recovery requests received in CCA at server level	Increments when a session recovery request is received in CCA at server level	Per IMS authorization service	Standard
dpca	rcvry-req-ccr-sent	INT32	Incremental	active	Total number of CCR-Us sent for session recovery at server level	Increments when a CCR-U is sent for session recovery at server level	Per IMS authorization service	Standard
dpca	server-type	STRING	Incremental	active	Indicates whether the server is P-CSCF or PCRF.	Not Applicable	Not Defined	Standard
dpca	active-sessions	INT32	Incremental	active	Indicates the total number of subscribers currently assigned with the corresponding P-CSCF server.	Increments when a subscriber is assigned with the corresponding P-CSCF server.	Per IMS authorization service	Standard
radius	ipaddr	STRING	Primary-key	active	The IP address of the RADIUS server for which statistics are being collected. A RADIUS server is uniquely identified by the IP Address and Port combination configured. The IP address can be specified in IPv4 dotted-decimal notation or IPv6 colon-separated hexadecimal notation	Not Applicable	Not Defined	Standard
radius	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data. A RADIUS server is uniquely identified by the IP Address and Port combination configured.	Not Applicable	Per RADIUS server	Standard
radius	servertype	STRING	Primary-key	active	The type of RADIUS server (authentication or accounting) for which statistics are being collected.	Not Applicable	Not Defined	Standard
radius	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the RADIUS server configuration.	Configuration	Per Context Level	Standard
radius	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the RADIUS server configuration. This is an internal reference number.	Generated during System Startup	Per Radius Service	Standard
radius	group	STRING	Primary-key	active	The RADIUS group name on a per-radius-server basis.	Not Applicable	Not Defined	Standard
radius	nasipaddr	STRING	Primary-key	active	The RADIUS Network Access Server Address in IPv4 dotted-decimal notation or IPv6 colon-separated hexadecimal notation.	Not Applicable	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	auth-req-sent	INT32	Incremental	active	The total number of Authentication-Requests sent to this server.	Increments when an Authentication-Request is sent to RADIUS server	Per RADIUS server	Standard
radius	auth-req-sentwdmu	INT32	Incremental	active	The total number of Authentication Requests sent to this server with a Dynamic Mobile IP Key Update.	Increments when an Authentication-Request is sent to RADIUS server with DMU attribute	Per RADIUS server	Standard
radius	auth-req-pending	INT32	Gauge	active	The total number of Authentication-Requests pending for this server. RADIUS server has not yet acknowledged to the messages received.	Increments whenever a response to the Authentication-Request is pending from the RADIUS server. Decrements when an acknowledgement is received for the Authentication-Request from the RADIUS server	Per RADIUS server	Standard
radius	auth-req-queued	INT32	Gauge	active	The total number of Authentication-Requests queued for this server. The count includes messages which have been sent to the RADIUS server as well as messages which have been created but not sent out yet.	Increments when an Authentication-Request is queued for the server. Decrements when the Authentication-Request is dequeued and sent to the RADIUS server	Per RADIUS server	Standard
radius	auth-req-retried	INT32	Incremental	active	The total number of Authentication-Requests that were re-sent to this server.	Increments when an Authentication-Request is retried	Per RADIUS server	Standard
radius	auth-req-retriedwdmu	INT32	Incremental	active	The total number of Authentication-Requests that were re-sent to this server with a Dynamic Mobile IP Key Update.	Increments when an Authentication-Request with DMU attribute is retried	Per RADIUS server	Standard
radius	auth-chal-rcvd	INT32	Incremental	active	The total number of Authentication-Access-Challenges received from this server.	Increments when an Authentication-Access-Challenge request is received from RADUS server	Per RADIUS server	Standard
radius	auth-acc-rcvd	INT32	Incremental	active	The total number of Authentication-Accept messages received from this server.	Increments when an Authentication-Accept message is received from RADIUS server	Per RADIUS server	Standard
radius	auth-rej-rcvd	INT32	Incremental	active	The total number of Authentication-Reject messages received from this server.	Increments when an Authentication-Reject message is received from RADIUS server	Per RADIUS server	Standard
radius	auth-rej-rcvdwdmu	INT32	Incremental	active	The total number of Authentication-Reject messages received from this server with a Dynamic Mobile IP Key Update.	Increments when an Authentication-Reject message is received with DMU attribute	Per RADIUS server	Standard
radius	auth-timeout	INT32	Incremental	active	The total number of Authentication-Requests that are timed-out for the server.	Increments when an Authentication-Request is timed out for the RADIUS server	Per RADIUS server	Standard
radius	cons-fail	INT32	Gauge	active	The total number of consecutive authentication/accounting failures that occurred in this server. The failure could be either transport or protocol level error	Increments whenever two or more consecutive authentication/accounting requests fail	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	auth-rsp-badauth	INT32	Incremental	active	The total number of Accept Request responses with an incorrect Authenticator field received by the sysem from the server. Due to the presence of this field, the message authentication fails.	Increments whenever a message authentication fails due to the presence of incorrect Authenticator field in Accept Request response received from the server.	Per RADIUS server	Standard
radius	malformed-rulebase-authrsp	INT32	Incremental	active	The total number of Authentication-Responses received with multiple rulebase attributes.	Increments when AAA server responds with multiple rulebase attributes in the authentication message as the current supported value is only one.	Per RADIUS server	Standard
radius	auth-rsp-malformed	INT32	Incremental	active	The total number of Accept Request responses that were malformed and received by the system from the server.	Increments whenever an Accept Request response from the server is detected to be malformed. Malformed messages could be due to Invalid IP header, Invalid message length or Invalid attribute length.	Per RADIUS server	Standard
radius	auth-rsp-malformedattr	INT32	Incremental	active	The total number of malformed or invalid attributes received in Access-Request response messages.	Increments whenever a malformed or invalid attribute is received in Access-Request response message. Malformed messages could be due to invalid attribute length.	Per RADIUS server	Standard
radius	auth-rsp-unktype	INT32	Incremental	active	The total number of Accept Request responses with an unknown message type received by the system from the server.	Increments whenever an unknown message type is included in Access-Request response message received from the server.	Per RADIUS server	Standard
radius	auth-rsp-dropped	INT32	Incremental	active	The total number of Authentication-Responses that were discarded from this server. The message discard can happen due to any of the following reasons - the request being timed out, response arriving late, or request being cancelled due to call disconnection, etc.	Increments whenever an Authentication-Response message is discarded	Per RADIUS server	Standard
radius	auth-rsp-roundtripusec	INT32	Gauge	active	Indicates the amount of time it took for the system to receive a valid response from the server for the last Authentication-Request. This is used as a measure to determine how fast the server responds to the Authentication-Request.	This statistics is updated whenever the system receives a valid response to the last Authentication Request.	Per RADIUS server	Standard
radius	probe-issued	INT32	Incremental	active	The total number of probe transactions issued to the RADIUS server. Probe is a type of RADIUS test authentication message.	Increments whenever a probe request is sent to the RADIUS server.	Per RADIUS server	Standard
radius	probe-success	INT32	Incremental	active	The total number of complete successful probe transactions to the RADIUS server.	Increments whenever a response is received from the RADIUS server for the probe request sent.	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	probe-failed	INT32	Incremental	active	The total number of failed probe transactions to the RADIUS server.	Increments whenever a response is not received from the RADIUS server for the probe request sent, or a response is received with a bad attribute, or a response is received with a bad/malformed message or a response is received with an unknown attribute.	Per RADIUS server	Standard
radius	probe-roundtriptimeusec	INT32	Gauge	active	The amount of time (in milliseconds) that it took from when a request was sent to and acknowledgement was received from the RADIUS server.	This statistics is updated when a request was sent to and acknowledgement was received from the RADIUS server.	Per RADIUS server	Standard
radius	keepalive-auth-req-sent	INT32	Incremental	active	The total number of Keepalive-Authentication-Requests that were sent to the RADIUS server.	Increments whenever a Keepalive-Authentication-Request is sent to the RADIUS server.	Per RADIUS server	Standard
radius	keepalive-auth-retried	INT32	Incremental	active	The total number of Keepalive-Authentication-Requests that were retried to the server.	Increments whenever a Keepalive-Authentication-Request is retried.	Per RADIUS server	Standard
radius	keepalive-auth-timeout	INT32	Incremental	active	The total number of Keepalive-Authentication-Requests that were timed out.	Increments whenever a Keepalive-Authentication-Request is timed out.	Per RADIUS server	Standard
radius	keepalive-auth-acc-rcvd	INT32	Incremental	active	The total number of Keepalive-Authentication-Accept requests that were received.	Increments whenever a Keepalive-Authentication-Accept request is received.	Per RADIUS server	Standard
radius	keepalive-auth-rej-rcvd	INT32	Incremental	active	The total number of Keepalive-Authentication rejections that were received.	Increments whenever a Keepalive-Authentication rejection is received.	Per RADIUS server	Standard
radius	keepalive-auth-rsp-badauth	INT32	Incremental	active	The total number of Keepalive-Authentication-Request response messages that failed with a bad authenticator.	Increments when a Keepalive-Authentication-Request response message failed with a bad authenticator.	Per RADIUS server	Standard
radius	keepalive-auth-rsp-malformed	INT32	Incremental	active	The total number of Keepalive-Authentication-Request response messages that were malformed.	Increments when a Keepalive-Authentication-Request response message is detected to be malformed. Malformed messages could be due to Invalid IP header, Invalid message length or Invalid attribute length.	Per RADIUS server	Standard
radius	keepalive-auth-rsp-malformedattr	INT32	Incremental	active	The total number of Keepalive-Authentication-Request response messages that contained malformed attributes.	Increments when a malformed attribute is included in the Keepalive-Authentication-Request response message. Malformed messages could be due to invalid attribute length.	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	keepalive-auth-rsp-unktype	INT32	Incremental	active	The total number of Keepalive-Authentication-Request response messages that failed with an unknown message type.	Increments when a Keepalive-Authentication-Request response message failed with an unknown message type.	Per RADIUS server	Standard
radius	keepalive-auth-rsp-dropped	INT32	Incremental	active	The total number of Keepalive-Authentication-Request response messages that were dropped.	Increments when a Keepalive-Authentication-Request response message is dropped.	Per RADIUS server	Standard
radius	acc-req-sent	INT32	Incremental	active	The total number of Accounting requests sent to this server.	Increments when an Accounting request is sent to the RADIUS server.	Per RADIUS server	Standard
radius	acc-req-pending	INT32	Gauge	active	The total number of Accounting requests pending for this server.	Increments when an Accounting request is pending for the RADIUS server.	Per RADIUS server	Standard
radius	acc-req-queued	INT32	Gauge	active	The total number of Accounting requests queued for this server.	Increments when an Accounting request is queued for the RADIUS server.	Per RADIUS server	Standard
radius	acc-req-retried	INT32	Incremental	active	The total number of Accounting requests that were re-sent to this server.	Increments when an Accounting request is re-sent to the RADIUS server.	Per RADIUS server	Standard
radius	acc-rsp-rcvd	INT32	Incremental	active	The total number of Accounting responses received from this server.	Increments when an Accounting response is received from the RADIUS server.	Per RADIUS server	Standard
radius	acc-req-timeout	INT32	Incremental	active	The total number of Accounting requests for this server that timed-out.	Increments when an Accounting request is timed out.	Per RADIUS server	Standard
radius	acc-rsp-badresp	INT32	Incremental	active	The total number of Accounting Responses with an incorrect Authenticator field received by the system from the server. Due to the presence of this field, the message accounting fails.	Increments whenever a message Accounting fails due to the presence of incorrect Authenticator field in Accounting response received from the server.	Per RADIUS server	Standard
radius	acc-rsp-malformed	INT32	Incremental	active	The total number of Accounting Responses that were malformed and received by the system from the server.	Increments whenever an Accounting Response from the server is detected to be malformed. Malformed messages could be due to Invalid IP header, Invalid message length or Invalid attribute length.	Per RADIUS server	Standard
radius	acc-rsp-unktype	INT32	Incremental	active	The total number of Accounting Responses with an unknown message type received by the system from the server.	Increments whenever an unknown message type is included in Accounting Response message received from the server.	Per RADIUS server	Standard
radius	acc-rsp-dropped	INT32	Incremental	active	The total number of Accounting Responses that were discarded from the server.	Increments whenever an Accounting Response message is discarded	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	acc-rsp-roundtripusec	INT32	Gauge	active	Indicates the amount of time it took for the system to receive a valid response from the server for the last Accounting-Request. This is used as a measure to determine how fast the server responds to the Accounting-Request.	This statistics is updated whenever the system receives a valid response to the last Accounting request.	Per RADIUS server	Standard
radius	acc-start-sent	INT32	Incremental	active	The total number of Accounting-Start messages sent.	Increments whenever an Accounting-Start message is sent	Per RADIUS server	Standard
radius	acc-stop-sent	INT32	Incremental	active	The total number of Accounting-Stop messages sent.	Increments whenever an Accounting-Stop message is sent	Per RADIUS server	Standard
radius	acc-interim-sent	INT32	Incremental	active	The total number of Accounting-Interim messages sent.	Increments whenever an Accounting-Interim message is sent	Per RADIUS server	Standard
radius	acc-on-sent	INT32	Incremental	active	The total number of Accounting-ON (as described in RFC 2866) messages sent.	Increments whenever an Accounting-ON (as described in RFC 2866) message is sent	Per RADIUS server	Standard
radius	acc-off-sent	INT32	Incremental	active	The total number of Accounting-OFF (as described in RFC 2866) messages sent.	Increments whenever an Accounting-OFF (as described in RFC 2866) message is sent	Per RADIUS server	Standard
radius	acc-start-retries	INT32	Incremental	active	The total number of Accounting-Start retry messages sent.	Increments whenever an Accounting-Start message is retried	Per RADIUS server	Standard
radius	acc-stop-retries	INT32	Incremental	active	The total number of Accounting-Stop retry messages sent.	Increments whenever an Accounting-Stop message is retried	Per RADIUS server	Standard
radius	acc-interim-retries	INT32	Incremental	active	The total number of Accounting-Interim retry messages sent.	Increments whenever an Accounting-Interim message is retried	Per RADIUS server	Standard
radius	acc-on-retries	INT32	Incremental	active	The total number of Accounting-ON (as described in RFC 2866) retry messages sent.	Increments whenever an Accounting-ON (as described in RFC 2866) message is retried	Per RADIUS server	Standard
radius	acc-off-retries	INT32	Incremental	active	The total number of Accounting-OFF (as described in RFC 2866) retry messages sent.	Increments whenever an Accounting-OFF (as described in RFC 2866) message is retried	Per RADIUS server	Standard
radius	acc-ttl-g1	INT64	Incremental	active	The total number of accounted bytes as user input.	Increments based on the input byte value of Accounting messages	Per CLC2	Standard
radius	acc-ttl-g2	INT64	Incremental	active	The total number of accounted bytes outputted to user.	Increments based on the output byte value of Accounting messages	per CLC2	Standard
radius	keepalive-acct-req-sent	INT32	Incremental	active	The total number of keepalive Accounting request messages sent.	Increments whenever a keepalive Accounting request message is sent	Per RADIUS server	Standard
radius	keepalive-acct-retried	INT32	Incremental	active	The total number of keepalive Accounting messages retried.	Increments whenever a keepalive Accounting request message is retried	Per RADIUS server	Standard
radius	keepalive-acct-success	INT32	Incremental	active	The total number of successful keepalive Accounting messages.	Increments whenever a keepalive Accounting request message is successful.	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	keepalive-acct-timeout	INT32	Incremental	active	The total number of keepalive Accounting messages that were expired.	Increments whenever a keepalive Accounting request message is timed out.	Per RADIUS server	Standard
radius	keepalive-acct-rsp-badauth	INT32	Incremental	active	The total number of keepalive Accounting request response messages that failed with a bad authenticator.	Increments whenever a message Accounting fails due to the presence of incorrect Authenticator field in keepalive Accounting request response message received from the server.	Per RADIUS server	Standard
radius	keepalive-acct-rsp-malformed	INT32	Incremental	active	The total number of keepalive Accounting request response messages that were malformed.	Increments whenever a keepalive Accounting request response message is detected to be malformed. Malformed messages could be due to Invalid IP header, Invalid message length or Invalid attribute length.	Per RADIUS server	Standard
radius	keepalive-acct-rsp-unktype	INT32	Incremental	active	The total number of keepalive Accounting request response messages that failed with an unknown type.	Increments whenever an unknown message type is included in keepalive Accounting request response message received from the server.	Per RADIUS server	Standard
radius	keepalive-acct-rsp-dropped	INT32	Incremental	active	The total number of keepalive Accounting request response messages that were dropped.	Increments whenever a keepalive Accounting request response message is discarded	Per RADIUS server	Standard
radius	online-acc-req-sent	INT32	Incremental	active	The total number of Online Access Request messages sent.	Increments whenever an Online Access Request message is sent.	Per RADIUS server	Standard
radius	online-acc-req-pending	INT32	Gauge	active	The total number of Online Access Request messages pending.	Increments whenever an Online Access Request message is pending for the RADIUS server.	Per RADIUS server	Standard
radius	online-acc-req-retried	INT32	Incremental	active	The total number of Online Access Request messages retried.	Increments whenever an Online Access Request message is retried.	Per RADIUS server	Standard
radius	online-acc-rsp-rcvd	INT32	Incremental	active	The total number of Online Access Accept messages received.	Increments whenever an Online Access Accept message is received.	Per RADIUS server	Standard
radius	online-acc-rej-rcvd	INT32	Incremental	active	The total number of Online Access Reject messages received.	Increments whenever an Online Access Reject message is received.	Per RADIUS server	Standard
radius	online-acc-req-timeout	INT32	Incremental	active	The total number of Online Access Request that were timed out.	Increments whenever an Online Access Request message is timed out.	Per RADIUS server	Standard
radius	online-acc-rsp-badauth	INT32	Incremental	active	The total number of Online Access Request messages that failed with a bad authenticator.	Increments whenever a message accounting fails due to the presence of incorrect Authenticator field in Online Access Request message.	Per RADIUS server	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius	online-acc-rsp-malformed	INT32	Incremental	active	The total number of Online Access Request Response messages that were malformed.	Increments whenever an Online Access Request Response message from the server is detected to be malformed. Malformed messages could be due to Invalid IP header, Invalid message length or Invalid attribute length.	Per RADIUS server	Standard
radius	online-acc-rsp-malformedattr	INT32	Incremental	active	The total number of Online Access Request Response messages that contained a malformed attribute.	Increments whenever a malformed or invalid attribute is received in Online Access Request Response message. Malformed messages could be due to invalid attribute length.	Per RADIUS server	Standard
radius	online-acc-rsp-unktype	INT32	Incremental	active	The total number of Online Access Request Response messages that are of an unknown type.	Increments whenever an unknown message type is included in Online Access Request Response message received from the server.	Per RADIUS server	Standard
radius	online-acc-badmsgauth	INT32	Incremental	active	The total number of Online Access Request Response messages that contained a bad Message-Authenticator attribute.	Increments whenever an Online Access Request Response message contains a bad Message-Authenticator attribute. Message Authenticator Attribute validates the Online Access Request Response.	Per RADIUS server	Standard
radius	online-acc-nomsgauth	INT32	Incremental	active	The total number of Online Access Request Response messages that contained no Message-Authenticator.	Increments whenever an Online Access Request Response message does not contain any message authenticator. Message Authenticator Attribute validates the Online Access Request Resonse.	Per RADIUS server	Standard
radius-group	ipaddr	STRING	Primary-key	active	The IP address of the RADIUS server for which statistics are being collected. The IP address can be specified in IPv4 or IPv6 notation.	Not Applicable	Not Defined	Standard
radius-group	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	Not Applicable	Not Defined	Standard
radius-group	servertype	STRING	Primary-key	active	The type of RADIUS server (authentication or accounting) for which statistics are being collected.	Not Applicable	Not Defined	Standard
radius-group	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
radius-group	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the Radius Group service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
radius-group	group	STRING	Primary-key	active	The RADIUS group name on a per-radius-server basis.	Not Applicable	Not Defined	Standard
radius-group	nasipaddr	STRING	Primary-key	active	The RADIUS network access server address.	Not Applicable	Not Defined	Standard
radius-group	auth-req-sent	INT32	Incremental	active	The total number of authentication requests sent to this server.	Increments when an authentication request is sent to RADIUS server	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	auth-req-sentwdmu	INT32	Incremental	active	The total number of authentication requests sent to this server with a Dynamic Mobile IP Key Update.	Increments when an authentication request is sent to RADIUS server with DMU attribute	Per RADIUS server per group	Standard
radius-group	auth-req-pending	INT32	Gauge	active	The total number of authentication requests pending for this server.	Increments whenever a response to the authentication request is pending from the RADIUS server. Decrements when an acknowledgement is received for the authentication request from the RADIUS server	Per RADIUS server per group	Standard
radius-group	auth-req-queued	INT32	Gauge	active	The total number of authentication requests queued for this server.	Increments when an authentication request is queued for the server. Decrements when the authentication request is dequeued and sent to the RADIUS server	Per RADIUS server per group	Standard
radius-group	auth-req-retried	INT32	Incremental	active	The total number of authentication requests that were re-sent to this server.	Increments when an authentication request is retried	Per RADIUS server per group	Standard
radius-group	auth-req-retriedwdmu	INT32	Incremental	active	The total number of authentication requests that were re-sent to this server with a Dynamic Mobile IP Key Update.	Increments when an authentication request with DMU attribute is retried	Per RADIUS server per group	Standard
radius-group	auth-chal-rcvd	INT32	Incremental	active	The total number of authentication access challenges received from this server.	Increments when an authentication access challlenge request is received from RADUS server	Per RADIUS server per group	Standard
radius-group	auth-acc-rcvd	INT32	Incremental	active	The total number of authentication accept messages received from this server.	Increments when an authentication accept message is received from RADIUS server	Per RADIUS server per group	Standard
radius-group	auth-rej-rcvd	INT32	Incremental	active	The total number of authentication reject messages received from this server.	Increments when an authentication reject message is received from RADIUS server	Per RADIUS server per group	Standard
radius-group	auth-rej-rcvdwdmu	INT32	Incremental	active	The total number of authentication reject messages received from this server with a Dynamic Mobile IP Key Update.	Increments when an authentication reject message is received with DMU attribute	Per RADIUS server per group	Standard
radius-group	auth-timeout	INT32	Incremental	active	The total number of authentication requests for this server that timed-out.	Increments when an authentication request is timed out for the RADIUS server	Per RADIUS server per group	Standard
radius-group	cons-fail	INT32	Gauge	active	The total number of consecutive authentication/accounting failures that occurred with this server.	Increments whenever two or more consecutive authentication/accounting requests fail	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	auth-rsp-badauth	INT32	Incremental	active	The total number of Accept Request responses received by the system from the server that contains an incorrect Authenticator field, thereby failing message authentication.	Increments whenever a message authentication fails due to the presence of incorrect Authenticator field in Accept Request response received from the server.	Per RADIUS server per group	Standard
radius-group	malformed-rulebase-authrsp	INT32	Incremental	active	The total number of authentication responses received with multiple rulebase attributes.	Increments when AAA server responds with multiple rulebase attributes in the authentication message.	Per RADIUS server	Standard
radius-group	auth-rsp-malformed	INT32	Incremental	active	The total number of Accept Request responses received by the system from the server that were malformed.	Increments whenever an Accept Request response from the server is detected to be malformed.	Per RADIUS server per group	Standard
radius-group	auth-rsp-malformedattr	INT32	Incremental	active	The total number of malformed or invalid attributes received in Access-Request response messages.	Increments whenever a malformed or invalid attribute is received in Access-Request response message.	Per RADIUS server per group	Standard
radius-group	auth-rsp-unktype	INT32	Incremental	active	The total number of Accept Request responses received by the system from the server that contained an unknown message type.	Increments whenever an unknown message type is included in Access-Request response message received from the server.	Per RADIUS server per group	Standard
radius-group	auth-rsp-dropped	INT32	Incremental	active	The total number of authentication responses from this server that were discarded. The message discard can happen due to any of the following reasons - the request being timed out, response arriving late, or request being cancelled due to call disconnection, etc.	Increments whenever an authentication response message is discarded	Per RADIUS server per group	Standard
radius-group	auth-rsp-roundtripusec	INT32	Gauge	active	Indicates the amount of time it took for the system to receive a valid response from the server for the last authentication request. This is used as a measure to determine how fast the server responds to the authentication request.	This statistics is updated whenever the system receives a valid response to the last authentication request.	Per RADIUS server per group	Standard
radius-group	probe-issued	INT32	Incremental	active	The total number of probe transactions issued to the RADIUS server. Probe is a type of RADIUS test authentication message.	Increments whenever a probe request is sent to the RADIUS server.	Per RADIUS server per group	Standard
radius-group	probe-success	INT32	Incremental	active	The total number of complete successful probe transactions to the RADIUS server.	Increments whenever a response is received from the RADIUS server for the probe request sent.	Per RADIUS server per group	Standard
radius-group	probe-failed	INT32	Incremental	active	The total number of failed probe transactions to the RADIUS server.	Increments whenever a response is not received from the RADIUS server for the probe request sent.	Per RADIUS server per group	Standard
radius-group	probe-roundtriptimeusec	INT32	Gauge	active	The amount of time, in milliseconds, that it took from when a request was sent to and acknowledgement was received from the RADIUS server.	This statistics is updated when a request was sent to and acknowledgement was received from the RADIUS server.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-req-sent	INT32	Incremental	active	The total number of keepalive authentication requests sent.	Increments whenever a keepalive authentication request is sent to the RADIUS server.	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	keepalive-auth-retried	INT32	Incremental	active	The total number of keepalive authentication requests retried.	Increments whenever a keepalive authentication request is retried.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-timeout	INT32	Incremental	active	The total number of keepalive authentication requests that timed out.	Increments whenever a keepalive authentication request is timed out.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-acc-rcvd	INT32	Incremental	active	The total number of keepalive authentication accept requests that were received.	Increments whenever a keepalive authentication accept request is received.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rej-rcvd	INT32	Incremental	active	The total number of keepalive authentication rejections that were received.	Increments whenever a keepalive authentication rejection is received.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rsp-badauth	INT32	Incremental	active	The total number of keepalive authentication request response messages that failed with a bad authenticator.	Increments when a keepalive authentication request response message failed with a bad authenticator.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rsp-malformed	INT32	Incremental	active	The total number of keepalive authentication request response messages that were malformed.	Increments when a keepalive authentication request response message is detected to be malformed.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rsp-malformedattr	INT32	Incremental	active	The total number of keepalive authentication request response messages that contained malformed attributes.	Increments when a malformed attribute is included in the keepalive authentication request response message.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rsp-unktype	INT32	Incremental	active	The total number of keepalive authentication request response messages that failed with an unknown message type.	Increments when a keepalive authentication request response message failed with an unknown message type.	Per RADIUS server per group	Standard
radius-group	keepalive-auth-rsp-dropped	INT32	Incremental	active	The total number of keepalive authentication request response messages that were dropped.	Increments when a keepalive authentication request response message is dropped.	Per RADIUS server per group	Standard
radius-group	acc-req-sent	INT32	Incremental	active	The total number of accounting requests sent to this server.	Increments when an accounting request is sent to the RADIUS server.	Per RADIUS server per group	Standard
radius-group	acc-req-pending	INT32	Gauge	active	The total number of accounting requests pending for this server.	Increments when an accounting request is pending for the RADIUS server.	Per RADIUS server per group	Standard
radius-group	acc-req-queued	INT32	Gauge	active	The total number of accounting requests queued for this server.	Increments when an accounting request is queued for the RADIUS server.	Per RADIUS server per group	Standard
radius-group	acc-req-retried	INT32	Incremental	active	The total number of accounting requests that were re-sent to this server.	Increments when an accounting request is re-sent to the RADIUS server.	Per RADIUS server per group	Standard
radius-group	acc-rsp-rcvd	INT32	Incremental	active	The total number of accounting responses received from this server.	Increments when an accounting response is received from the RADIUS server.	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	acc-req-timeout	INT32	Incremental	active	The total number of accounting requests for this server that timed-out.	Increments when an accounting request is timed out.	Per RADIUS server per group	Standard
radius-group	acc-rsp-badresp	INT32	Incremental	active	The total number of Accounting Responses received by the system from the server that contained an incorrect Authenticator field, thereby failing message.	Increments whenever a message accounting fails due to the presence of incorrect Authenticator field in Accounting response received from the server.	Per RADIUS server per group	Standard
radius-group	acc-rsp-malformed	INT32	Incremental	active	The total number of Accounting Responses received by the system from the server that were malformed.	Increments whenever an Accounting Response from the server is detected to be malformed.	Per RADIUS server per group	Standard
radius-group	acc-rsp-unktype	INT32	Incremental	active	The total number of Accounting Responses received by the system from the server that contained an unknown message type.	Increments whenever an unknown message type is included in Accounting Response message received from the server.	Per RADIUS server per group	Standard
radius-group	acc-rsp-dropped	INT32	Incremental	active	The total number of Accounting Responses from the server that were discarded.	Increments whenever an Accounting Response message is discarded	Per RADIUS server per group	Standard
radius-group	acc-rsp-roundtripusec	INT32	Gauge	active	Indicates the amount of time it took for the system to receive a valid response from the server for the last accounting request.	This statistics is updated whenever the system receives a valid response to the last accounting request.	Per RADIUS server per group	Standard
radius-group	acc-start-sent	INT32	Incremental	active	The total number of accounting start messages sent.	Increments whenever an accounting start message is sent	Per RADIUS server per group	Standard
radius-group	acc-stop-sent	INT32	Incremental	active	The total number of accounting stop messages sent.	Increments whenever an accounting stop message is sent	Per RADIUS server per group	Standard
radius-group	acc-interim-sent	INT32	Incremental	active	The total number of interim accounting messages sent.	Increments whenever an interim accounting message is sent	Per RADIUS server per group	Standard
radius-group	acc-on-sent	INT32	Incremental	active	The total number of accounting ON messages sent.	Increments whenever an accounting ON message is sent	Per RADIUS server per group	Standard
radius-group	acc-off-sent	INT32	Incremental	active	The total number of accounting OFF messages sent.	Increments whenever an accounting OFF message is sent	Per RADIUS server per group	Standard
radius-group	acc-start-retries	INT32	Incremental	active	The total number of accounting start retry messages sent.	Increments whenever an accounting start message is retried	Per RADIUS server per group	Standard
radius-group	acc-stop-retries	INT32	Incremental	active	The total number of accounting stop retry messages sent.	Increments whenever an accounting stop message is retried	Per RADIUS server per group	Standard
radius-group	acc-interim-retries	INT32	Incremental	active	The total number of interim accounting retry messages sent.	Increments whenever an interim accounting message is retried	Per RADIUS server per group	Standard
radius-group	acc-on-retries	INT32	Incremental	active	The total number of accounting ON retry messages sent.	Increments whenever an accounting ON message is retried	Per RADIUS server per group	Standard
radius-group	acc-off-retries	INT32	Incremental	active	The total number of accounting OFF retry messages sent.	Increments whenever an accounting OFF message is retried	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	acc-ttl-g1	INT64	Incremental	active	The total number of accounted bytes as user input.	Increments based on the input byte value of accounting messages	per CLC2	Standard
radius-group	acc-ttl-g2	INT64	Incremental	active	The total number of accounted bytes outputted to user.	Increments based on the output byte value of accounting messages	Per RADIUS server per group	Standard
radius-group	keepalive-acct-req-sent	INT32	Incremental	active	The total number of keepalive accounting request messages sent.	Increments whenever a keepalive accounting request message is sent	Per RADIUS server per group	Standard
radius-group	keepalive-acct-retried	INT32	Incremental	active	The total number of keepalive accounting messages retried.	Increments whenever a keepalive accounting request message is retried	Per RADIUS server per group	Standard
radius-group	keepalive-acct-success	INT32	Incremental	active	The total number of successful keepalive accounting messages.	Increments whenever a keepalive accounting request message is successful.	Per RADIUS server per group	Standard
radius-group	keepalive-acct-timeout	INT32	Incremental	active	The total number of keepalive accounting timeout messages.	Increments whenever a keepalive accounting request message is timed out.	Per RADIUS server per group	Standard
radius-group	keepalive-acct-rsp-badauth	INT32	Incremental	active	The total number of keepalive accounting request response messages that failed with a bad authenticator.	Increments whenever a message accounting fails due to the presence of incorrect Authenticator field in keepalive accounting request response message received from the server.	Per RADIUS server per group	Standard
radius-group	keepalive-acct-rsp-malformed	INT32	Incremental	active	The total number of keepalive accounting request response messages that were malformed.	Increments whenever a keepalive accounting request response message is detected to be malformed.	Per RADIUS server per group	Standard
radius-group	keepalive-acct-rsp-unktype	INT32	Incremental	active	The total number of keepalive accounting request response messages that failed with an unknown type.	Increments whenever an unknown message type is included in keepalive accounting request response message received from the server.	Per RADIUS server per group	Standard
radius-group	keepalive-acct-rsp-dropped	INT32	Incremental	active	The total number of keepalive accounting request response messages that were dropped.	Increments whenever a keepalive accounting request response message is discarded	Per RADIUS server per group	Standard
radius-group	online-acc-req-sent	INT32	Incremental	active	The total number of Online Access Request messages sent.	Increments whenever an Online Access Request message is sent.	Per RADIUS server per group	Standard
radius-group	online-acc-req-pending	INT32	Gauge	active	The total number of Online Access Request messages pending.	Increments whenever an Online Access Request message is pending for the RADIUS server.	Per RADIUS server per group	Standard
radius-group	online-acc-req-retried	INT32	Incremental	active	The total number of Online Access Request messages retried.	Increments whenever an Online Access Request message is retried.	Per RADIUS server per group	Standard
radius-group	online-acc-rsp-rcvd	INT32	Incremental	active	The total number of Online Access Accept messages received.	Increments whenever an Online Access Accept message is received.	Per RADIUS server per group	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
radius-group	online-acc-rej-rcvd	INT32	Incremental	active	The total number of Online Access Reject messages received.	Increments whenever an Online Access Reject message is received.	Per RADIUS server per group	Standard
radius-group	online-acc-req-timeout	INT32	Incremental	active	The total number of Online Access Request message timeouts.	Increments whenever an Online Access Request message is timed out.	Per RADIUS server per group	Standard
radius-group	online-acc-rsp-badauth	INT32	Incremental	active	The total number of Online Access Request messages that failed with a bad authenticator.	Increments whenever a message accounting fails due to the presence of incorrect Authenticator field in Online Access Request message.	Per RADIUS server per group	Standard
radius-group	online-acc-rsp-malformed	INT32	Incremental	active	The total number of Online Access Request Response messages that were malformed.	Increments whenever an Online Access Request Response message from the server is detected to be malformed.	Per RADIUS server per group	Standard
radius-group	online-acc-rsp-malformedattr	INT32	Incremental	active	The total number of Online Access Request Response messages that contained a malformed attribute.	Increments whenever a malformed or invalid attribute is received in Online Access Request Response message.	Per RADIUS server per group	Standard
radius-group	online-acc-rsp-unktype	INT32	Incremental	active	The total number of Online Access Request Response messages that are of an unknown type.	Increments whenever an unknown message type is included in Online Access Request Response message received from the server.	Per RADIUS server per group	Standard
radius-group	online-acc-badmsgauth	INT32	Incremental	active	The total number of Online Access Request Response messages that contained a bad message authenticator.	Increments whenever an Online Access Request Response message contains a bad message authenticator.	Per RADIUS server per group	Standard
radius-group	online-acc-nomsgauth	INT32	Incremental	active	The total number of Online Access Request Response messages that contained no message authenticator.	Increments whenever an Online Access Request Response message does not contain any message authenticator.	Per RADIUS server per group	Standard
diameter-auth	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the Diameter Auth service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
diameter-auth	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
diameter-auth	ipaddr	STRING	Primary-key	active	The IP address of the RADIUS server for which statistics are being collected. The IP address can be specified in IPv4 or IPv6 notation.	Not Applicable	Not Defined	Standard
diameter-auth	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	Not Applicable	Not Defined	Standard
diameter-auth	group	STRING	Primary-key	active	The RADIUS group name on a per-radius-server basis.	Not Applicable	Not Defined	Standard
diameter-auth	servertype	STRING	Primary-key	active	The type of RADIUS server (authentication or accounting) for which statistics are being collected.	Not Applicable	Not Defined	Standard
diameter-auth	peer	STRING	Primary-key	active	The name of the AAA Server.	This statistics is updated whenever a new AAA Server is configured.	Not Defined	Standard
diameter-auth	der-req-id-sent	INT32	Incremental	active	The total number of Diameter-EAP-Request (DER) messages sent.	Increments when a DER message is sent	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-auth	der-req-aka-chal-sent	INT32	Incremental	active	The total number of DER-request-AKA-CHALLENGE messages sent.	Increments when a DER message is sent with AKA-Challenge	Per AAAMgr instance	Standard
diameter-auth	der-req-retried	INT32	Incremental	active	The total number of retries for DER messages.	Increments when a DER message is retried	Per AAAMgr instance	Standard
diameter-auth	dea-chal-rcvd	INT32	Incremental	active	The total number of DEA Challenge messages received.	Increments when a DEA message is received with EAP-Challenge	Per AAAMgr instance	Standard
diameter-auth	dea-acpt-rcvd	INT32	Incremental	active	The total number of DEA Accept messages received.	Increments when a DEA is received with Result-Code value as 2001	Per AAAMgr instance	Standard
diameter-auth	dea-timeout	INT32	Incremental	active	The total number of DEA timeout messages.	Increments when a DEA is timed out	Per AAAMgr instance	Standard
diameter-auth	dea-badauth	INT32	Incremental	active	The total number of DEA Bad-Authentication messages.	Increments when a DEA is received with malformed or wrong AVPs	Per AAAMgr instance	Standard
diameter-auth	dea-malformed	INT32	Incremental	active	The total number of DEA Malformed messages.	Increments when a DEA is received with malformed version, length, or command-code, etc.	Per AAAMgr instance	Standard
diameter-auth	dea-malformed-avp	INT32	Incremental	active	The total number of DEA Malformed AVP messages.	Increments when a DEA is received with malformed AVP	Per AAAMgr instance	Standard
diameter-auth	dea-dropped	INT32	Incremental	active	The total number of dropped DEA messages.	Increments when a DEA is dropped	Per AAAMgr instance	Standard
diameter-auth	rar-req-rcvd	INT32	Incremental	active	The total number of Re-Auth-Request (RAR) messages received.	Increments when a RAR is received	Per AAAMgr instance	Standard
diameter-auth	raa-ans-accpt-sent	INT32	Incremental	active	The total number of Re-Auth-Answer (RAA) messages sent.	Increments when a RAA is sent	Per AAAMgr instance	Standard
diameter-auth	aar-req-sent	INT32	Incremental	active	The total number of AAR messages sent.	Increments when a AAR is sent	Per AAAMgr instance	Standard
diameter-auth	str-req-sent	INT32	Incremental	active	The total number of STR requests sent.	Increments when a STR is sent	Per AAAMgr instance	Standard
diameter-auth	str-req-retried	INT32	Incremental	active	The total number of retries for STR messages.	Increments when a STR is retried	Per AAAMgr instance	Standard
diameter-auth	sta-ans-accpt-rcvd	INT32	Incremental	active	The total number of received STA messages.	Increments when a STA is received	Per AAAMgr instance	Standard
diameter-auth	asr-req-rcvd	INT32	Incremental	active	The total number of ASR requests received.	Increments when a ASR is received	Per AAAMgr instance	Standard
diameter-auth	asa-rsp-accpt-sent	INT32	Incremental	active	The total number of ASA Messages sent.	Increments when a ASA is sent	Per AAAMgr instance	Standard
diameter-auth	asa-rsp-rej-sent	INT32	Incremental	active	Total number of Abort-Session-Response sent with error Result-Code.	Increments when ASA is sent with failure result-code	Per AAAMgr instance	Standard
diameter-auth	req-sock-write-err	INT32	Incremental	active	Total number of socket write failed for Diameter requests.	Increments when write failure is returned from socket for a Diameter request.	Per AAAMgr instance	Standard
diameter-auth	rsp-sock-write-err	INT32	Incremental	active	Total number of socket write failed for Diameter responses.	Increments when write failure is returned from socket for a Diameter response.	Per AAAMgr instance	Standard
diameter-auth	any-sock-read-err	INT32	Incremental	active	Total number of socket read failed for Diameter messages.	Increments when read failure is returned from socket for a Diameter message.	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-auth	rem-disconnect	INT32	Incremental	active	Total number of TCP/SCTP connections disconnected from remote peer.	Increments when a connection is disconnected from a remote peer.	Per AAAMgr instance	Standard
diameter-auth	loc-disconnect	INT32	Incremental	active	Total number of TCP/SCTP connections disconnected locally.	Increments when a connection is disconnected locally.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-multiround	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with the result code 1xxx.	Increments when S6b message is responded with the result code 1xxx.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-success	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with success result code 2xxx.	Increments when S6b message is responded with the result code 2xxx.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-err-protocol	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with the protocol error result code 3xxx.	Increments when S6b message is responded with the result code 3xxx.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-err-transient	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with the transient error result code 4xxx.	Increments when S6b message is responded with the result code 4xxx.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-err-permanent	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with the permanent error result code 5xxx.	Increments when S6b message is responded with the result code 5xxx.	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-err-other	INT32	Incremental	active	Total number of Diameter authentication (S6b) messages processed and responded with the result code other than 1xxx 5xxx.	Increments when S6b message is responded with other result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-unable-to-deliver	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 3002.	Increments when STa or SWm or S6b message is responded with 3002 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-too-busy	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 3004.	Increments when STa or SWm or S6b message is responded with 3004 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-loop-detected	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 3005.	Increments when STa or SWm or S6b message is responded with 3005 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-invld-hdr-bits	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 3008.	Increments when STa or SWm or S6b message is responded with 3008 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-invld-avp-bits	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 3009.	Increments when STa or SWm or S6b message is responded with 3009 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-authen-rej	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 4001.	Increments when STa or SWm or S6b message is responded with 4001 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-out-of-space	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 4002.	Increments when STa or SWm or S6b message is responded with 4002 result code.	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-auth	auth-exp-result-user-unknown	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the experimental result code 5001.	Increments when STa or SWm or S6b message is responded with 5001 experimental result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-unk-sess-id	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5002.	Increments when STa or SWm or S6b message is responded with 5002 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-author-rej	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5003.	Increments when STa or SWm or S6b message is responded with 5003 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-exp-result-roaming-not-allowed	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the experimental result code 5004.	Increments when STa or SWm or S6b message is responded with 5004 experimental result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-missing-avp	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5005.	Increments when STa or SWm or S6b message is responded with 5005 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-resrc-exceed	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5006.	Increments when STa or SWm or S6b message is responded with 5006 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-unable-to-comply	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5012.	Increments when STa or SWm or S6b message is responded with 5012 result code.	Per AAAMgr instance	Standard
diameter-auth	auth-result-user-unknown	INT32	Incremental	active	Total number of Diameter authentication (STa or SWm or S6b) messages processed and responded with the result code 5030.	Increments when STa or SWm or S6b message is responded with 5030 result code.	Per AAAMgr instance	Standard
diameter-auth	aaa-req-received	INT32	Incremental	active	Total number of AAA requests that were received.	Increments when AAA request is received	Per AAAMgr instance	Standard
diameter-auth	aaa-req-timeouts	INT32	Incremental	active	Total number of AAA requests that timed out.	Increments when AAA request is timed out	Per AAAMgr instance	Standard
diameter-auth	aaa-req-dropped	INT32	Incremental	active	Total number of AAA requests that were dropped.	Increments when AAA request is dropped	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-assume-positive	INT32	Incremental	active	Total number of sessions that are in Assume Positive state on S6b interface.	Increments when a session is in Assume Positive state on S6b	Per AAAMgr instance	Standard
diameter-auth	diameter-auth-msg-exp-result-5199	INT32	Incremental	active	Total number of times the Diameter Experimental-Result-Code DIAMETER_NEWER_SESSION_DETECTED (5199) is received in the AAA message.	Incremented when experimental-result code 5199 is received.	Per AAAMgr instance	Standard
diameter-auth	overload-ctrl-aaa	INT32	Incremental	active	Number of times experimental result-code 5198 is received in the AAA message	When the experimental result-code 5198(Diameter_overload_retry_not_allowed_to_any) is received in the AAA message	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-auth	overload-ctrl-dea	INT32	Incremental	active	Number of times experimental result code 5198 is received in DEA message.	When the experimental result-code 5198(Diameter_overload_retry_not_allowed_to_any) is received in the DEA message	Per AAAMgr instance	Standard
diameter-auth	fh-continue-retry	INT32	Incremental	active	Number of times failure handling continue is taken	When the failure happens and failure handling action is taken as continue from the template this counter will be incremented.	Per AAAMgr instance	Standard
diameter-auth	fh-continue-wo-retry	INT32	Incremental	active	Number of times failure handling continue without retry is taken	When the failure happens and failure handling action is taken as continue without retry from the template , this counter will be incremented.	Per AAAMgr instance	Standard
diameter-auth	fh-retry-and-term	INT32	Incremental	active	Number of times failure handling retry and terminate is taken	When the failure happens and failure handling action is taken as retry and terminate from the template , this counter will be incremented.	Per AAAMgr instance	Standard
diameter-auth	fh-retry-and-term-wo-str	INT32	Incremental	active	Number of times failure handling retry and terminate wo str is taken	When the failure happens and failure handling action is taken as retry and terminate without str from the template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	fh-terminate	INT32	Incremental	active	Number of times failure handling terminate is taken	When the failure happens and failure handling action is taken as terminate from the template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	fh-terminate-wo-str	INT32	Incremental	active	Number of times failure handling terminate wo str is taken	When the failure happens and failure handling action is taken as terminate without str from the template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	fh-continue-retry-emps	INT32	Incremental	active	Number of times failure handling continue is taken using eMPS template	When the failure happens and failure handling action is taken as continue from the eMPS template this counter will be incremented.	Per AAAMgr instance	Standard
diameter-auth	fh-continue-wo-retry-emps	INT32	Incremental	active	Number of times failure handling continue without retry is taken using eMPS template	When the failure happens and failure handling action is taken as continue without retry from the eMPS template , this counter will be incremented.	Per AAAMgr instance	Standard
diameter-auth	fh-retry-and-term-emps	INT32	Incremental	active	Number of times failure handling retry and terminate is taken using eMPS template	When the failure happens and failure handling action is taken as retry and terminate from the eMPS template , this counter will be incremented.	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-auth	fh-retry-and-term-wo-str-emps	INT32	Incremental	active	Number of times failure handling retry and terminate wo str is taken using eMPS template	When the failure happens and failure handling action is taken as retry and terminate without str from the eMPS template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	fh-terminate-emps	INT32	Incremental	active	Number of times failure handling terminate is taken using eMPS template	When the failure happens and failure handling action is taken as terminate from the eMPS template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	fh-terminate-wo-str-emps	INT32	Incremental	active	Number of times failure handling terminate wo str is taken using eMPS template	When the failure happens and failure handling action is taken as terminate without str from the eMPS template , this counter will be incremented	Per AAAMgr instance	Standard
diameter-auth	aaa-failure-indication	INT32	Incremental	active	Counter is incremented when AAA-Failure-Indication is sent over Authentication Interfaces	Incremented when AAA-Failure-Indication is sent	Not Defined	Standard
diameter-acct	vpnid	INT32	Primary-key	active	This statistics is updated whenever a new VPN is configured.	Generated During System Startup	Per Context Level	Standard
diameter-acct	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	This statistics is updated whenever a new VPN is configured.	Per system	Standard
diameter-acct	ipaddr	STRING	Primary-key	active	The IP address of the RADIUS server for which statistics are being collected. The IP address can be specified in IPv4 or IPv6 notation .	This statistics is updated whenever a new Authentication Server is configured.	Per system	Standard
diameter-acct	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	This statistics is updated whenever a new Authentication Server is configured.	Per System	Standard
diameter-acct	servertype	STRING	Primary-key	active	The type of RADIUS server (authentication or accounting) for which statistics are being collected.	This statistics is updated whenever a new Authentication Server is configured	Per system	Standard
diameter-acct	group	STRING	Primary-key	active	The RADIUS group name on a per-radius-server basis.	This statistics is updated whenever a new AAA Server group is configured.	Per system	Standard
diameter-acct	peer	STRING	Primary-key	active	The name of the AAA Server.	This statistics is updated whenever a new AAA Server is configured.	Per system	Standard
diameter-acct	req-sent	INT32	Incremental	active	The total number of Accounting Request messages sent.	Increments when a ACR is sent	Per AAAMgr instance	Standard
diameter-acct	req-retried	INT32	Incremental	active	The total number of Accounting Requests retried.	Increments when a ACR is retried	Per AAAMgr instance	Standard
diameter-acct	rsp-rcvd	INT32	Incremental	active	The total number of Accounting Responses received.	Increments when a ACA is received	Per AAAMgr instance	Standard
diameter-acct	req-timeout	INT32	Incremental	active	The total number of Accounting Requests timed out.	Increments when a ACR is timed out	Per AAAMgr instance	Standard
diameter-acct	rsp-bad-resp	INT32	Incremental	active	The total number of bad response messages received.	Increments when a ACA is received with wrong AVPs	Per AAAMgr instance	Standard
diameter-acct	rsp-malformed	INT32	Incremental	active	The total number of malformed messages received.	Increments when a ACA is received with malformed AVPs	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-acct	rsp-dropped	INT32	Incremental	active	The total number of dropped messages received.	Increments when a ACA is dropped	Per AAAMgr instance	Standard
diameter-acct	start-sent	INT32	Incremental	active	The total number of Accounting Start messages sent.	Increments when a ACR-START is sent	Per AAAMgr instance	Standard
diameter-acct	stop-sent	INT32	Incremental	active	The total number of Accounting Stop messages sent.	Increments when a ACR-STOP is sent	Per AAAMgr instance	Standard
diameter-acct	interim-sent	INT32	Incremental	active	The total number of Accounting Interim messages sent.	Increments when a ACR-INTERIM is sent	Per AAAMgr instance	Standard
diameter-acct	start-retries	INT32	Incremental	active	The total number of retries for Accounting Start messages.	Increments when a ACR-START is retried	Per AAAMgr instance	Standard
diameter-acct	stop-retries	INT32	Incremental	active	The total number of retries for Accounting Stop messages.	Increments when a ACR-STOP is retried	Per AAAMgr instance	Standard
diameter-acct	interim-retries	INT32	Incremental	active	The total number of retries for Accounting Interim messages.	Increments when a ACR-INTERIM is retried	Per AAAMgr instance	Standard
diameter-acct	acr-stop-serv-sp-unit-limit	INT32	Incremental	active	The total number of ACR-STOP messages that are sent with the change-condition SERVICE-SPECIFIC-UNIT-LIMIT.	Increments when a ACR-STOP is sent with change-condition SERVICE-SPECIFIC-UNIT-LIMIT	Per AAAMgr instance	Standard
diameter-acct	acri-vol-limit	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Volume-Limit	Increments when a ACR-Interim is generated for the event trigger Volume-Limit	Per AAAMgr instance	Standard
diameter-acct	acri-time-limit	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Time-Limit	Increments when a ACR-Interim is generated for the event trigger Time-Limit	Per AAAMgr instance	Standard
diameter-acct	acri-rat-change	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger RAT-Change	Increments when a ACR-Interim is generated for the event trigger RAT-Change	Per AAAMgr instance	Standard
diameter-acct	acri-tz-change	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Timezone-Change	Increments when a ACR-Interim is generated for the event trigger Timezone-Change	Per AAAMgr instance	Standard
diameter-acct	acri-plmn-change	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger PLMN-Change	Increments when a ACR-Interim is generated for the event trigger PLMN-Change	Per AAAMgr instance	Standard
diameter-acct	acri-max-charg-cond	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Max-Charging-Condition	Increments when a ACR-Interim is generated for the event trigger Max-Charging-Condition	Per AAAMgr instance	Standard
diameter-acct	acri-sdf-vol-limit	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Service-Data-Volume-Limit	Increments when a ACR-Interim is generated for the event trigger Service-Data-Volume-Limit	Per AAAMgr instance	Standard
diameter-acct	acri-sdf-time-limit	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger Service-Data-Time-Limit	Increments when a ACR-Interim is generated for the event trigger Service-Data-Time-Limit	Per AAAMgr instance	Standard
diameter-acct	acri-aii-timer	INT32	Incremental	active	The total number of ACR-Interims that were triggered because of the event trigger AII-Timer	Increments when a ACR-Interim is generated for the event trigger AII-Timer	Per AAAMgr instance	Standard
diameter-acct	diameter-acct-msg-success	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with success result code 2xxx.	Increments when accounting message is responded with the result code 2xxx.	Per AAAMgr instance	Standard
diameter-acct	diameter-acct-msg-err-protocol	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the protocol error result code 3xxx.	Increments when accounting message is responded with the result code 3xxx.	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-acct	diameter-acct-msg-err-transient	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the transient error result code 4xxx.	Increments when accounting message is responded with the result code 4xxx.	Per AAAMgr instance	Standard
diameter-acct	diameter-acct-msg-err-permanent	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the permanent error result code 5xxx.	Increments when accounting message is responded with the result code 5xxx.	Per AAAMgr instance	Standard
diameter-acct	diameter-acct-msg-err-other	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code other than 1xxx 5xxx.	Increments when accounting message is responded with other result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-unable-to-deliver	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 3002.	Increments when accounting message is responded with 3002 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-too-busy	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 3004.	Increments when accounting message is responded with 3004 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-loop-detected	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 3005.	Increments when accounting message is responded with 3005 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-invld-hdr-bits	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 3008.	Increments when accounting message is responded with 3008 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-invld-avp-bits	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 3009.	Increments when accounting message is responded with 3009 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-authen-rej	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 4001.	Increments when accounting message is responded with 4001 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-out-of-space	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 4002.	Increments when accounting message is responded with 4002 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-exp-result-user-unknown	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the experimental result code 5001.	Increments when accounting message is responded with 5001 experimental result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-unk-sess-id	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5002.	Increments when accounting message is responded with 5002 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-author-rej	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5003.	Increments when accounting message is responded with 5003 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-exp-result-roaming-not-allowed	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the experimental result code 5004.	Increments when accounting message is responded with 5004 experimental result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-missing-avp	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5005.	Increments when accounting message is responded with 5005 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-resrc-exceed	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5006.	Increments when accounting message is responded with 5006 result code.	Per AAAMgr instance	Standard
diameter-acct	acct-result-unable-to-comply	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5012.	Increments when accounting message is responded with 5012 result code.	Per AAAMgr instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
diameter-acct	acct-result-user-unknown	INT32	Incremental	active	Total number of Diameter accounting messages processed and responded with the result code 5030.	Increments when accounting message is responded with 5030 result code.	Per AAAMgr instance	Standard
diameter-acct	diameter-acct-res-timeout	INT32	Incremental	active	Total number of times response timeout happens due to no response from CCF/peer	Increments when a response timeout happens due to no response from CCF/peer	Per AAAMgr instance	Standard
ecs	ecs-subscribers	INT32	Incremental	active	The combined total of the number of subscribers who have used the ECS service previously + other subscribers currently using the ECS service.	Increments whenever a new subscriber comes up.	Per Active Charging Service.	Standard
ecs	ecs-subscribers-cur	INT32	Gauge	active	The number of subscribers currently using the ECS service.	Increments whenever a new subscriber comes up. Decrements whenever a subscriber drops.	Per Active Charging Service.	Standard
ecs	gcdrs-generated	INT32	Incremental	active	The total number of G-CDRs generated by ECS.	Increments whenever a G-CDR is generated.	Per Active Charging Service.	Standard
ecs	edrs-generated	INT32	Incremental	active	The total number of EDRs generated by ECS.	Increments whenever an EDR is generated.	Per Active Charging Service.	Standard
ecs	udrs-generated	INT32	Incremental	active	The total number of UDRs generated by ECS.	Increments whenever an UDR is generated.	Per Active Charging Service.	Standard
ecs	total-nbrs-generated	INT64	Incremental	active	The total number of NBRs generated by NAT/ECS.	Increments whenever a NBR is generated.	Per Active Charging Service.	Standard
ecs	nbrs-for-port-chunk-alloc	INT64	Incremental	active	The total number of NBRs generated for port chunk allocations by NAT/ECS.	Increments whenever NBR is generated for port chunk allocation.	Per Active Charging Service.	Standard
ecs	nbrs-for-port-chunk-release	INT64	Incremental	active	The total number of NBRs generated for port chunk de-allocations by NAT/ECS.	Increments whenever a NBR is generated for port chunk release.	Per Active Charging Service.	Standard
ecs	egcdrs-generated-vol	INT32	Incremental	active	The total number of interim eGCDR generation caused by Volume threshold.	Increments whenever an interim eGCDR is generated due to volume threshold.	Per Active Charging Service.	Standard
ecs	egcdrs-generated-time	INT32	Incremental	active	The total number of interim eGCDR generation caused by Time threshold.	Increments whenever an interim eGCDR is generated due to time threshold.	Per Active Charging Service.	Standard
ecs	egcdrs-generated-qht	INT32	Incremental	active	The total number of interim eGCDR generation caused by QHT expiry.	Increments whenever an interim eGCDR is generated due to QHT expiry.	Per Active Charging Service.	Standard
ecs	egcdrs-generated-final	INT32	Incremental	active	The total number of final CDRs generated.	Increments whenever a final CDR is generated.	Per Active Charging Service.	Standard
ecs	ip-flows	INT64	Incremental	active	The combined total of the number of IP flows previously analyzed + IP flows currently being analyzed.	Increments whenever a new IP flow is created.	Per Active Charging Service.	Standard
ecs	ip-flows-cur	INT64	Gauge	active	The number of IP flows currently being analyzed.	Increments whenever a new IP flow is created. Decrements whenever an IP flow ends.	Per Active Charging Service.	Standard
ecs	ip-uplk-bytes	INT64	Incremental	active	The total number of IP bytes detected in uplink direction (from the MS).	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ip-dwnlk-bytes	INT64	Incremental	active	The total number of IP bytes detected in downlink direction (to the MS).	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ip-uplk-pkts	INT64	Incremental	active	The total number of IP packets detected in uplink direction.	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ip-dwnlk-pkts	INT64	Incremental	active	The total number of IP packets detected in downlink direction.	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ip-accel-pkts	INT64	Incremental	active	The total number of IP packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever an IP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	ip-uplk-pkts-frag	INT32	Incremental	active	The total number of fragmented IP packets detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ip-dwnlk-pkts-frag	INT32	Incremental	active	The total number of fragmented IP packets detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ip-uplk-bytes-frag	INT32	Incremental	active	The total number of fragmented IP bytes detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ip-dwnlk-bytes-frag	INT32	Incremental	active	The total number of fragmented IP bytes detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ip-charge-uplk-bytes	INT64	Incremental	active	The total number of IP bytes being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ip-charge-dwnlk-bytes	INT64	Incremental	active	The total number of IP bytes being charged by ECS in downlink direction.	Increments whenever a new downlink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ip-charge-uplk-pkts	INT64	Incremental	active	The total number of IP packets being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ip-charge-dwnlk-pkts	INT64	Incremental	active	The total number of IP packets being charged by ECS in uplink direction.	Increments whenever a new downlink packet is being charged (charging records updated)	Per Active Charging Service.	Standard
ecs	ip-early-limit-drop-uplk-bytes	INT64	Incremental	active	The total number of IP bytes dropped due to early bearer limiting in uplink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ip-early-limit-drop-dwnlk-bytes	INT64	Incremental	active	The total number of IP bytes dropped due to early bearer limiting in downlink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ip-early-limit-drop-uplk-pkts	INT64	Incremental	active	The total number of IP packets dropped due to early bearer limiting in uplink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ip-early-limit-drop-dwnlk-pkts	INT64	Incremental	active	The total number of IP packets dropped due to early bearer limiting in downlink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ipv6-early-limit-drop-uplk-bytes	INT64	Incremental	active	The total number of IPv6 bytes dropped due to early bearer limiting in uplink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ipv6-early-limit-drop-dwnlk-bytes	INT64	Incremental	active	The total number of IPv6 bytes dropped due to early bearer limiting in downlink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ipv6-early-limit-drop-uplk-pkts	INT64	Incremental	active	The total number of IPv6 packets dropped due to early bearer limiting in uplink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ipv6-early-limit-drop-dwnlk-pkts	INT64	Incremental	active	The total number of IPv6 packets dropped due to early bearer limiting in downlink direction.	Increments whenever a new uplink packet is dropped due to early bearer limiting.	Per Active Charging Service.	Standard
ecs	ipv4-flows	INT64	Incremental	active	The combined total of the number of IPV4 flows previously analyzed + IPV4 flows currently being analyzed.	Increments whenever a new IPV4 flow is created.	Per Active Charging Service.	Standard
ecs	ipv4-flows-cur	INT64	Gauge	active	The number of IPV4 flows currently being analyzed.	Increments whenever a new IPV4 flow is created. Decrements whenever an IPV4 flow ends.	Per Active Charging Service.	Standard
ecs	ipv4-uplk-bytes	INT64	Incremental	active	The total number of IPV4 bytes detected in uplink direction (from the MS).	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv4-dwnlk-bytes	INT64	Incremental	active	The total number of IPV4 bytes detected in downlink direction (to the MS).	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv4-uplk-pkts	INT64	Incremental	active	The total number of IPV4 packets detected in uplink direction.	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv4-dwnlk-pkts	INT64	Incremental	active	The total number of IPV4 packets detected in downlink direction.	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv4-accel-pkts	INT64	Incremental	active	The total number of IPV4 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever an IP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	ipv4-uplk-pkts-frag	INT32	Incremental	active	The total number of fragmented IPV4 packets detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv4-dwnlk-pkts-frag	INT32	Incremental	active	The total number of fragmented IPV4 packets detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv4-uplk-bytes-frag	INT32	Incremental	active	The total number of fragmented IPV4 bytes detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv4-dwnlk-bytes-frag	INT32	Incremental	active	The total number of fragmented IPV4 bytes detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv4-charge-uplk-bytes	INT64	Incremental	active	The total number of IPV4 bytes being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ipv4-charge-dwnlk-bytes	INT64	Incremental	active	The total number of IPV4 bytes being charged by ECS in downlink direction.	Increments whenever a new downlink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ipv4-charge-uplk-pkts	INT64	Incremental	active	The total number of IPV4 packets being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ipv4-charge-dwnlk-pkts	INT64	Incremental	active	The total number of IPV4 packets being charged by ECS in uplink direction.	Increments whenever a new downlink packet is being charged (charging records updated)	Per Active Charging Service.	Standard
ecs	ipv6-flows	INT64	Incremental	active	The combined total of the number of IPV6 flows previously analyzed + IPV6 flows currently being analyzed.	Increments whenever a new IPV6 flow is created.	Per Active Charging Service.	Standard
ecs	ipv6-flows-cur	INT64	Gauge	active	The number of IPV6 flows currently being analyzed.	Increments whenever a new IPV6 flow is created. Decrements whenever an IPV6 flow ends.	Per Active Charging Service.	Standard
ecs	ipv6-uplk-bytes	INT64	Incremental	active	The total number of IPV6 bytes detected in uplink direction (from the MS).	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv6-dwnlk-bytes	INT64	Incremental	active	The total number of IPV6 bytes detected in downlink direction (to the MS).	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv6-uplk-pkts	INT64	Incremental	active	The total number of IPV6 packets detected in uplink direction.	Increments whenever a new packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv6-dwnlk-pkts	INT64	Incremental	active	The total number of IPV6 packets detected in downlink direction.	Increments whenever a new packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv6-accel-pkts	INT64	Incremental	active	The total number of IPV6 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever an IP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	ipv6-uplk-pkts-frag	INT32	Incremental	active	The total number of fragmented IPV6 packets detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv6-dwnlk-pkts-frag	INT32	Incremental	active	The total number of fragmented IPV6 packets detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv6-uplk-bytes-frag	INT32	Incremental	active	The total number of fragmented IPV6 bytes detected in uplink direction.	Increments whenever a new fragment packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ipv6-dwnlk-bytes-frag	INT32	Incremental	active	The total number of fragmented IPV6 bytes detected in downlink direction.	Increments whenever a new fragment packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ipv6-charge-uplk-bytes	INT64	Incremental	active	The total number of IPV6 bytes being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ipv6-charge-dwnlk-bytes	INT64	Incremental	active	The total number of IPV6 bytes being charged by ECS in downlink direction.	Increments whenever a new downlink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ipv6-charge-uplk-pkts	INT64	Incremental	active	The total number of IPV6 packets being charged by ECS in uplink direction.	Increments whenever a new uplink packet is being charged (charging records updated).	Per Active Charging Service.	Standard
ecs	ipv6-charge-dwnlk-pkts	INT64	Incremental	active	The total number of IPV6 packets being charged by ECS in uplink direction.	Increments whenever a new downlink packet is being charged (charging records updated)	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	udp-flows	INT64	Incremental	active	The combined total of the number of UDP flows previously analyzed + UDP flows currently being analyzed.	Increments whenever a new UDP flow is created.	Per Active Charging Service.	Standard
ecs	udp-flows-cur	INT32	Gauge	active	The number of UDP flows currently being analyzed.	Increments whenever a new UDP flow is created. Decrements whenever an UDP flow ends.	Per Active Charging Service.	Standard
ecs	udp-uplk-bytes	INT64	Incremental	active	The total number of UDP bytes detected in uplink direction (from the MS).	Increments whenever a new UDP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-dwnlk-bytes	INT64	Incremental	active	The total number of UDP bytes detected in downlink direction (to the MS).	Increments whenever a new UDP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-uplk-pkts	INT64	Incremental	active	The total number of UDP packets detected in uplink direction.	Increments whenever a new UDP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-dwnlk-pkts	INT64	Incremental	active	The total number of UDP packets detected in downlink direction.	Increments whenever a new UDP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-accel-pkts	INT64	Incremental	active	The total number of UDP packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new UDP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	udp-inv-pkts	INT32	Incremental	active	The total number of invalid UDP packets detected.	Increments whenever an invalid UDP packet is detected.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-flows	INT64	Incremental	active	The combined total of the number of UDP over IPV4 flows previously analyzed + UDP over IPV4 flows currently being analyzed.	Increments whenever a new UDP over IPV4 flow is created	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-flows-cur	INT32	Gauge	active	The number of UDP over IPv4 flows currently being analyzed.	Increments whenever a new UDP over IPV4 flow is created. Decrements whenever an UDP over IPV4 flow ends.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-uplk-bytes	INT64	Incremental	active	The total number of UDP over IPv4 bytes detected in uplink direction (from the MS).	Increments whenever a new UDP over IPv4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-dwnlk-bytes	INT64	Incremental	active	The total number of UDP over ipv4 dwnlk bytes detected in downlink direction (to the MS).	Increments whenever a new UDP over ipv4 dwnlk packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-uplk-pkts	INT64	Incremental	active	The total number of UDP over IPv4 packets detected in uplink direction.	Increments whenever a new UDP over IPv4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-dwnlk-pkts	INT64	Incremental	active	The total number of UDP over IPv4 packets detected in downlink direction.	Increments whenever a new UDP over IPv4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv4-accel-pkts	INT64	Incremental	active	The total number of UDP over IPv4 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new UDP over IPv4 packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	udp-over-ipv4-inv-pkts	INT32	Incremental	active	The total number of invalid UDP over IPv4 packets detected.	Increments whenever an invalid UDP over IPv4 packet is detected.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-flows	INT64	Incremental	active	The combined total of the number of UDP over IPV6 flows previously analyzed + UDP Over IPV6 flows currently being analyzed.	Increments whenever a new UDP Over IPV4 flow is created	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-flows-cur	INT32	Gauge	active	The number of UDP Over IPV6 flows currently being analyzed.	Increments whenever a new UDP Over IPV6 flow is created. Decremnts whenever an UDP Over IPV6 flow ends.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-uplk-bytes	INT64	Incremental	active	The total number of UDP Over IPV6 bytes detected in uplink direction (from the MS).	Increments whenever a new UDP Over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-dwnlk-bytes	INT64	Incremental	active	The total number of UDP Over IPV6 dwnlk bytes detected in downlink direction (to the MS).	Increments whenever a new UDP Over IPV6 dwnlk packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-uplk-pkts	INT64	Incremental	active	The total number of UDP Over IPV6 packets detected in uplink direction.	Increments whenever a new UDP Over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-dwnlk-pkts	INT64	Incremental	active	The total number of UDP Over IPV6 packets detected in downlink direction.	Increments whenever a new UDP Over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-accel-pkts	INT64	Incremental	active	The total number of UDP Over IPV6 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new UDP Over IPV6 packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	udp-over-ipv6-inv-pkts	INT32	Incremental	active	The total number of invalid UDP Over IPV6 packets detected.	Increments whenever an invalid UDP Over IPV6 packet is detected.	Per Active Charging Service.	Standard
ecs	tcp-flows	INT64	Incremental	active	The combined total of the number of TCP flows previously analyzed + TCP flows currently being analyzed.	Increments whenever a new TCP flow is created.	Per Active Charging Service.	Standard
ecs	tcp-flows-cur	INT32	Gauge	active	The number of TCP flows currently being analyzed.	Increments whenever a new TCP flow is created. Decrements whenever a TCP flow ends.	Per Active Charging Service.	Standard
ecs	tcp-uplk-bytes	INT64	Incremental	active	The total number of TCP bytes detected in uplink direction (from the MS).	Increments whenever a new TCP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-bytes	INT64	Incremental	active	The total number of TCP bytes detected in downlink direction (to the MS).	Increments whenever a new TCP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-uplk-pkts	INT64	Incremental	active	The total number of TCP packets detected in uplink direction.	Increments whenever a new TCP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-pkts	INT64	Incremental	active	The total number of TCP packets detected in downlink direction.	Increments whenever a new TCP packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-accel-pkts	INT64	Incremental	active	The total number of TCP packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new TCP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	tcp-uplk-bytes-retr	INT32	Incremental	active	The total number of TCP bytes retransmitted in uplink direction.	Increments whenever a new TCP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-bytes-retr	INT32	Incremental	active	The total number of TCP bytes retransmitted in downlink direction.	Increments whenever a new TCP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-uplk-pkts-retr	INT32	Incremental	active	The total number of TCP packets retransmitted in uplink direction.	Increments whenever a new TCP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-pkts-retr	INT32	Incremental	active	The total number of TCP packets retransmitted in downlink direction.	Increments whenever a new TCP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-uplk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP packets analyzed in uplink direction.	Increments whenever a new TCP out-of-order packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP packets analyzed in downlink direction.	Increments whenever a new TCP out-of-order packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-uplk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP packets detected in uplink direction.	Increments whenever TCP out-of-order failure occurs for uplink direction. It gets incremented by the total number of uplink out-of-order packets.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP packets detected in downlink direction.	Increments whenever TCP out-of-order failure occurs for downlink direction. It gets incremented by the total number of downlink out-of-order packets.	Per Active Charging Service.	Standard
ecs	tcp-uplk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP packets retransmitted in uplink direction.	Increments whenever a new TCP retransmitted out-of-order packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-dwnlk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP packets retransmitted in downlink direction.	Increments whenever a new TCP retransmitted out-of-order packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-flows	INT64	Incremental	active	The combined total of the number of TCP over IPV4 flows previously analyzed + TCP over IPV4 flows currently being analyzed.	Increments whenever a new TCP over IPV4 flow is created.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-flows-cur	INT32	Gauge	active	The number of TCP over IPV4 flows currently being analyzed.	Increments whenever a new TCP over IPV4 flow is created. Decrements whenever a TCP over IPV4 flow ends.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-over-ipv4-uplk-bytes	INT64	Incremental	active	The total number of TCP over IPV4 bytes detected in uplink direction (from the MS).	Increments whenever a new TCP over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-bytes	INT64	Incremental	active	The total number of TCP over IPV4 bytes detected in downlink direction (to the MS).	Increments whenever a new TCP over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-pkts	INT64	Incremental	active	The total number of TCP over IPV4 packets detected in uplink direction.	Increments whenever a new TCP over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-pkts	INT64	Incremental	active	The total number of TCP over IPV4 packets detected in downlink direction.	Increments whenever a new TCP over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-accel-pkts	INT64	Incremental	active	The total number of TCP over IPV4 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new TCP over IPV4 packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-bytes-retr	INT32	Incremental	active	The total number of TCP over IPV4 bytes retransmitted in uplink direction.	Increments whenever a new TCP retransmitted over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-bytes-retr	INT32	Incremental	active	The total number of TCP over IPV4 bytes retransmitted in downlink direction.	Increments whenever a new TCP retransmitted over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-pkts-retr	INT32	Incremental	active	The total number of TCP over IPV4 packets retransmitted in uplink direction.	Increments whenever a new TCP retransmitted over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-pkts-retr	INT32	Incremental	active	The total number of TCP over IPV4 packets retransmitted in downlink direction.	Increments whenever a new TCP over IPV4 retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP over IPV4 packets analyzed in uplink direction.	Increments whenever a new TCP out-of-order over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP over IPV4 packets analyzed in downlink direction.	Increments whenever a new TCP out-of-order over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP over IPV4 packets detected in uplink direction.	Increments whenever TCP over IPV4 out-of-order failure occurs for uplink direction. It gets incremented by the total number of uplink out-of-order packets.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-over-ipv4-dwnlk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP over IPV4 packets detected in downlink direction.	Increments whenever TCP over IPV4 out-of-order failure occurs for downlink direction. It gets incremented by the total number of downlink out-of-order packets.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-uplk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP over IPV4 packets retransmitted in uplink direction.	Increments whenever a new TCP over IPV4 retransmitted out-of-order packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv4-dwnlk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP over IPV4 packets retransmitted in downlink direction.	Increments whenever a new TCP over IPV4 retransmitted out-of-order packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-flows	INT64	Incremental	active	The combined total of the number of TCP over IPV6 flows previously analyzed + TCP over IPV6 flows currently being analyzed.	Increments whenever a new TCP over IPV6 flow is created.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-flows-cur	INT32	Gauge	active	The number of TCP over IPV6 flows currently being analyzed.	Increments whenever a new TCP over IPV6 flow is created. Decrements whenever a TCP over IPV6 flow ends.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-bytes	INT64	Incremental	active	The total number of TCP over IPV6 bytes detected in uplink direction (from the MS).	Increments whenever a new TCP over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-bytes	INT64	Incremental	active	The total number of TCP over IPV6 bytes detected in downlink direction (to the MS).	Increments whenever a new TCP over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-pkts	INT64	Incremental	active	The total number of TCP over IPV6 packets detected in uplink direction.	Increments whenever a new TCP over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-pkts	INT64	Incremental	active	The total number of TCP over IPV6 packets detected in downlink direction.	Increments whenever a new TCP over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-accel-pkts	INT64	Incremental	active	The total number of TCP over IPV6 packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new TCP over IPV6 packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-bytes-retr	INT32	Incremental	active	The total number of TCP over IPV6 bytes retransmitted in uplink direction.	Increments whenever a new TCP retransmitted over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-bytes-retr	INT32	Incremental	active	The total number of TCP over IPV6 bytes retransmitted in downlink direction.	Increments whenever a new TCP retransmitted over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-over-ipv6-uplk-pkts-retr	INT32	Incremental	active	The total number of TCP over IPV6 packets retransmitted in uplink direction.	Increments whenever a new TCP retransmitted over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-pkts-retr	INT32	Incremental	active	The total number of TCP over IPV6 packets retransmitted in downlink direction.	Increments whenever a new TCP over IPV6 retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP over IPV6 packets analyzed in uplink direction.	Increments whenever a new TCP out-of-order over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-pkts-ooo-analyzd	INT32	Incremental	active	The total number of out-of-order TCP over IPV6 packets analyzed in downlink direction.	Increments whenever a new TCP out-of-order over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP over IPV6 packets detected in uplink direction.	Increments whenever TCP over IPV6 out-of-order failure occurs for uplink direction. It gets incremented by the total number of uplink out-of-order packets.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-pkts-ooo-fail	INT32	Incremental	active	The total number of failed out-of-order TCP over IPV6 packets detected in downlink direction.	Increments whenever TCP over IPV6 out-of-order failure occurs for downlink direction. It gets incremented by the total number of downlink out-of-order packets.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-uplk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP over IPV6 packets retransmitted in uplink direction.	Increments whenever a new TCP over IPV6 retransmitted out-of-order packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tcp-over-ipv6-dwnlk-pkts-ooo-retr	INT32	Incremental	active	The total number of out-of-order TCP over IPV6 packets retransmitted in downlink direction.	Increments whenever a new TCP over IPV6 retransmitted out-of-order packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	icmp-flows	INT32	Incremental	active	The combined total of the number of ICMP flows previously analyzed + ICMP flows currently being analyzed.	Increments whenever a new ICMP flow is created.	Per Active Charging Service.	Standard
ecs	icmp-flows-cur	INT32	Gauge	active	The number of ICMP flows currently being analyzed.	Increments whenever a new ICMP flow is created. Decrements whenever an ICMP flow ends.	Per Active Charging Service.	Standard
ecs	icmp-uplk-bytes	INT64	Incremental	active	The total number of ICMP bytes detected in uplink direction (from the MS).	Increments whenever a new ICMP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-dwnlk-bytes	INT64	Incremental	active	The total number of ICMP bytes detected in downlink direction (to the MS).	Increments whenever a new ICMP packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	icmp-uplk-pkts	INT64	Incremental	active	The total number of ICMP packets detected in uplink direction.	Increments whenever a new ICMP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-dwnlk-pkts	INT64	Incremental	active	The total number of ICMP packets detected in downlink direction.	Increments whenever a new ICMP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	icmp-ech-req	INT32	Incremental	active	The total number of ICMP ECHO requests detected.	Increments whenever a new ICMP ECHO request is received.	Per Active Charging Service.	Standard
ecs	icmp-ech-rep	INT32	Incremental	active	The total number of ICMP ECHO replies detected.	Increments whenever a new ICMP ECHO response is received.	Per Active Charging Service.	Standard
ecs	icmp-dst-unrch	INT32	Incremental	active	The total number of ICMP Destination Unreachable messages detected.	Increments whenever a new ICMP Destination Unreachable message is received.	Per Active Charging Service.	Standard
ecs	icmp-redir	INT32	Incremental	active	The total number of ICMP Redirect messages detected.	Increments whenever a new ICMP Redirect message is received.	Per Active Charging Service.	Standard
ecs	icmp-tm-excd	INT32	Incremental	active	The total number of ICMP Time Exceeded messages detected.	Increments whenever a new ICMP time exceeded message is received.	Per Active Charging Service.	Standard
ecs	icmp-trace-route	INT32	Incremental	active	The total number of ICMP Trace Route messages detected.	Increments whenever a new ICMP Trace Route message is received.	Per Active Charging Service.	Standard
ecs	icmp-oth	INT32	Incremental	active	The total number of other ICMP messages detected.	Increments whenever any other ICMP message is received.	Per Active Charging Service.	Standard
ecs	icmp-inv-pkts	INT32	Incremental	active	The total number of ICMP invalid packets detected.	Increments whenever an invalid ICMP packet is detected.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-flows	INT32	Incremental	active	The combined total of the number of ICMP over IPV4 flows previously analyzed + ICMP over IPV4 flows currently being analyzed.	Increments whenever a new ICMP over IPV4 flow is created.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-flows-cur	INT32	Gauge	active	The number of ICMP over IPV4 flows currently being analyzed.	Increments whenever a new ICMP over IPV4 flow is created. Decrements whenever an ICMP over IPV4 flow ends.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-uplk-bytes	INT64	Incremental	active	The total number of ICMP over IPV4 bytes detected in uplink direction (from the MS).	Increments whenever a new ICMP over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-dwnlk-bytes	INT64	Incremental	active	The total number of ICMP over IPV4 bytes detected in downlink direction (to the MS).	Increments whenever a new ICMP over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-uplk-pkts	INT64	Incremental	active	The total number of ICMP over IPV4 packets detected in uplink direction.	Increments whenever a new ICMP over IPV4 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-dwnlk-pkts	INT64	Incremental	active	The total number of ICMP over IPV4 packets detected in downlink direction.	Increments whenever a new ICMP over IPV4 packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	icmp-over-ipv4-ech-req	INT32	Incremental	active	The total number of ICMP over IPV4 ECHO requests detected.	Increments whenever a new ICMP over IPV4 ECHO request is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-ech-rep	INT32	Incremental	active	The total number of ICMP over IPV4 ECHO replies detected.	Increments whenever a new ICMP over IPV4 ECHO response is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-dst-unrch	INT32	Incremental	active	The total number of ICMP over IPV4 Destination Unreachable messages detected.	Increments whenever a new ICMP over IPV4 Destination Unreachable message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-redir	INT32	Incremental	active	The total number of ICMP over IPV4 Redirect messages detected.	Increments whenever a new ICMP over IPV4 Redirect message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-tm-excd	INT32	Incremental	active	The total number of ICMP over IPV4 Time Exceeded messages detected.	Increments whenever a new ICMP over IPV4 Time exceeded message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-trace-route	INT32	Incremental	active	The total number of ICMP over IPV4 Trace Route messages detected.	Increments whenever a new ICMP over IPV4 Trace Route message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-oth	INT32	Incremental	active	The total number of other ICMP over IPV4 messages detected.	Increments whenever any other ICMP message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv4-inv-pkts	INT32	Incremental	active	The total number of ICMP over IPV4 invalid packets detected.	Increments whenever an invalid ICMP over IPV4 packet is detected.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-flows	INT32	Incremental	active	The combined total of the number of ICMP over IPV6 flows previously analyzed + ICMP over IPV6 flows currently being analyzed.	Increments whenever a new ICMP over IPV6 flow is created.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-flows-cur	INT32	Gauge	active	The number of ICMP over IPV6 flows currently being analyzed.	Increments whenever a new ICMP over IPV6 flow is created. Decrements whenever an ICMP over IPV6 flow ends.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-uplk-bytes	INT64	Incremental	active	The total number of ICMP over IPV6 bytes detected in uplink direction (from the MS).	Increments whenever a new ICMP over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-dwnlk-bytes	INT64	Incremental	active	The total number of ICMP over IPV6 bytes detected in downlink direction (to the MS).	Increments whenever a new ICMP over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-uplk-pkts	INT64	Incremental	active	The total number of ICMP over IPV6 packets detected in uplink direction.	Increments whenever a new ICMP over IPV6 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-dwnlk-pkts	INT64	Incremental	active	The total number of ICMP over IPV6 packets detected in downlink direction.	Increments whenever a new ICMP over IPV6 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-ech-req	INT32	Incremental	active	The total number of ICMP over IPV6 ECHO requests detected.	Increments whenever a new ICMP over IPV6 ECHO request is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-ech-rep	INT32	Incremental	active	The total number of ICMP over IPV6 ECHO replies detected.	Increments whenever a new ICMP over IPV6 ECHO response is received.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	icmp-over-ipv6-dst-unrch	INT32	Incremental	active	The total number of ICMP over IPV6 Destination Unreachable messages detected.	Increments whenever a new ICMP over IPV6 Destination Unreachable message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-redir	INT32	Incremental	active	The total number of ICMP over IPV6 Redirect messages detected.	Increments whenever a new ICMP over IPV6 Redirect message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-tm-excd	INT32	Incremental	active	The total number of ICMP over IPV6 Time Exceeded messages detected.	Increments whenever a new ICMP over IPV6 Time exceeded message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-trace-route	INT32	Incremental	active	The total number of ICMP over IPV6 Trace Route messages detected.	Increments whenever a new ICMP over IPV6 Trace Route message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-oth	INT32	Incremental	active	The total number of other ICMP over IPV6 messages detected.	Increments whenever any other ICMP message is received.	Per Active Charging Service.	Standard
ecs	icmp-over-ipv6-inv-pkts	INT32	Incremental	active	The total number of ICMP over IPV6 invalid packets detected.	Increments whenever an invalid ICMP over IPV6 packet is detected.	Per Active Charging Service.	Standard
ecs	mipv6-pbu	INT64	Incremental	active	The total number of PMIPv6 Proxy Binding Update (PBU) messages.	Increments when a PMIPv6 PBU is detected.	Per Active Charging Service.	Standard
ecs	mipv6-pbu-modified	INT64	Incremental	active	The total number of modified PMIPv6 Proxy Binding Update (PBU) messages.	Increments when an intercepted PMIPv6 PBU is modified successfully.	Per Active Charging Service.	Standard
ecs	mipv6-pbu-discarded	INT64	Incremental	active	The total number of discarded PMIPv6 Proxy Binding Update (PBU) messages.	Increments when an intercepted PMIPv6 PBU is discarded due to checksum failure, VSE insertion failure, etc.	Per Active Charging Service.	Standard
ecs	http-flows	INT64	Incremental	active	The combined total of the number of HTTP flows previously analyzed + HTTP flows currently being analyzed.	Increments whenever a new HTTP flow is created.	Per Active Charging Service.	Standard
ecs	http-flows-cur	INT32	Gauge	active	The number of HTTP flows currently being analyzed.	Increments whenever a new HTTP flow is created. Decrements whenever an HTTP flow ends.	Per Active Charging Service.	Standard
ecs	http-uplk-bytes	INT64	Incremental	active	The total number of HTTP bytes detected in uplink direction (from the MS).	Increments whenever a new HTTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	http-dwnlk-bytes	INT64	Incremental	active	The total number of HTTP bytes detected in downlink direction (to the MS).	Increments whenever a new HTTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	http-uplk-pkts	INT64	Incremental	active	The total number of HTTP packets detected in uplink direction.	Increments whenever a new HTTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	http-dwnlk-pkts	INT64	Incremental	active	The total number of HTTP packets detected in downlink direction.	Increments whenever a new HTTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	http-accel-pkts	INT64	Incremental	active	The total number of HTTP bytes that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new HTTP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	http-uplk-bytes-retr	INT32	Incremental	active	The total number of HTTP bytes retransmitted in uplink direction.	Increments whenever a new HTTP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	http-dwnlk-bytes-retr	INT32	Incremental	active	The total number of HTTP bytes retransmitted in downlink direction.	Increments whenever a new HTTP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	http-uplk-pkts-retr	INT32	Incremental	active	The total number of HTTP packets retransmitted in uplink direction.	Increments whenever a new HTTP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	http-dwnlk-pkts-retr	INT32	Incremental	active	The total number of HTTP packets retransmitted in downlink direction.	Increments whenever a new HTTP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	http-req-succ	INT32	Incremental	active	The total number of successful HTTP requests detected.	Increments whenever a new HTTP request completes successfully.	Per Active Charging Service.	Standard
ecs	http-req-fail	INT32	Incremental	active	The total number of failed HTTP requests detected.	Increments whenever a new HTTP request fails.	Per Active Charging Service.	Standard
ecs	http-get-req	INT32	Incremental	active	The total number of HTTP GET requests detected.	Increments whenever a new HTTP GET request is received.	Per Active Charging Service.	Standard
ecs	http-post-req	INT32	Incremental	active	The total number of HTTP POST requests detected.	Increments whenever a new HTTP POST request is received.	Per Active Charging Service.	Standard
ecs	http-connect-req	INT32	Incremental	active	The total number of HTTP CONNECT requests detected.	Increments whenever a new HTTP CONNECT request is received.	Per Active Charging Service.	Standard
ecs	http-inv-pkts	INT32	Incremental	active	The total number of invalid HTTP packets detected.	Increments whenever an invalid HTTP packet is detected.	Per Active Charging Service.	Standard
ecs	https-flows	INT64	Incremental	active	The combined total of the number of HTTPS flows previously analyzed + HTTPS flows currently being analyzed.	Increments whenever a new HTTPS flow is created.	Per Active Charging Service.	Standard
ecs	https-flows-cur	INT32	Gauge	active	The number of HTTPS flows currently being analyzed.	Increments whenever a new HTTPS flow is created. Decrements whenever an HTTPS flow ends.	Per Active Charging Service.	Standard
ecs	https-uplk-bytes	INT64	Incremental	active	The total number of HTTPS bytes detected in uplink direction (from the MS).	Increments whenever a new HTTPS packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	https-dwnlk-bytes	INT64	Incremental	active	The total number of HTTPS bytes detected in downlink direction (to the MS).	Increments whenever a new HTTPS packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	https-uplk-pkts	INT64	Incremental	active	The total number of HTTPS packets detected in uplink direction.	Increments whenever a new HTTPS packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	https-dwnlk-pkts	INT64	Incremental	active	The total number of HTTPS packets detected in downlink direction.	Increments whenever a new HTTPS packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	https-uplk-bytes-retr	INT32	Incremental	active	The total number of HTTPS bytes retransmitted in uplink direction.	Increments whenever a new HTTPS retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	https-dwnlk-bytes-retr	INT32	Incremental	active	The total number of HTTPS bytes retransmitted in downlink direction.	Increments whenever a new HTTPS retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	https-uplk-pkts-retr	INT32	Incremental	active	The total number of HTTPS packets retransmitted in uplink direction.	Increments whenever a new HTTPS retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	https-dwnlk-pkts-retr	INT32	Incremental	active	The total number of HTTPS packets retransmitted in downlink direction.	Increments whenever a new HTTPS retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	https-accel-pkts	INT64	Incremental	active	The total number of HTTPS packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new HTTPS retransmitted packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	wtp-trans	INT32	Incremental	active	The total number of WTP transactions detected.	Increments whenever a new WTP transaction is created.	Per Active Charging Service.	Standard
ecs	wtp-cls-zero	INT32	Incremental	active	The total number of WTP Class 0 transactions detected.	Increments whenever a new WTP Class 0 transaction is created.	Per Active Charging Service.	Standard
ecs	wtp-cls-one	INT32	Incremental	active	The total number of WTP Class 1 transactions detected.	Increments whenever a new WTP Class 1 transaction is created.	Per Active Charging Service.	Standard
ecs	wtp-cls-two	INT32	Incremental	active	The total number of WTP Class 2 transactions detected.	Increments whenever a new WTP Class 2 transaction is created.	Per Active Charging Service.	Standard
ecs	wtp-uplk-bytes	INT64	Incremental	active	The total number of WTP bytes detected in uplink direction (from the MS).	Increments whenever a new WTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wtp-dwnlk-bytes	INT64	Incremental	active	The total number of WTP bytes detected in downlink direction (to the MS).	Increments whenever a new WTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wtp-uplk-pkts	INT64	Incremental	active	The total number of WTP packets detected in uplink direction.	Increments whenever a new WTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wtp-dwnlk-pkts	INT64	Incremental	active	The total number of WTP packets detected in downlink direction.	Increments whenever a new WTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wtp-uplk-bytes-retr	INT32	Incremental	active	The total number of WTP bytes retransmitted in uplink direction.	Increments whenever an uplink WTP retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-dwnlk-bytes-retr	INT32	Incremental	active	The total number of WTP bytes retransmitted in downlink direction.	Increments whenever a downlink WTP retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-uplk-pkts-retr	INT32	Incremental	active	The total number of WTP packets retransmitted in uplink direction.	Increments whenever an uplink WTP retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-dwnlk-pkts-retr	INT32	Incremental	active	The total number of WTP packets retransmitted in downlink direction.	Increments whenever a downlink WTP retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-invk-pkts	INT32	Incremental	active	The total number of WTP INVOKE packets detected.	Increments whenever a WTP INVOKE packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	wtp-invk-tcl-zero	INT32	Incremental	active	The total number of WTP INVOKE TCL-0 packets detected.	Increments whenever a WTP INVOKE TCL-0 packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-invk-tcl-one	INT32	Incremental	active	The total number of WTP INVOKE TCL-1 packets detected.	Increments whenever a WTP INVOKE TCL-1 packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-invk-tcl-two	INT32	Incremental	active	The total number of WTP INVOKE TCL-2 packets detected.	Increments whenever a WTP INVOKE TCL-2 packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-invk-tid-new	INT32	Incremental	active	The total number of WTP INVOKE with TID-new flag packets detected.	Increments whenever a WTP INVOKE packet with TID-new flag is received.	Per Active Charging Service.	Standard
ecs	wtp-rslt-pkts	INT32	Incremental	active	The total number of WTP RESULT packets detected.	Increments whenever a WTP RESULT packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-ack-to-resp	INT32	Incremental	active	The total number of WTP ACK from Initiator to Responder detected.	Increments whenever a WTP ACK packet from Initiator to Responder is received.	Per Active Charging Service.	Standard
ecs	wtp-ack-to-init	INT32	Incremental	active	The total number of WTP ACK from Responder to Initiator detected.	Increments whenever a WTP RESULT packet from Responder to Initiator is received.	Per Active Charging Service.	Standard
ecs	wtp-abrt-to-resp	INT32	Incremental	active	The total number of WTP ABORT from Initiator to Responder detected.	Increments whenever a WTP ABORT packet from Initiator to Responder is received.	Per Active Charging Service.	Standard
ecs	wtp-abrt-to-init	INT32	Incremental	active	The total number of WTP ABORT from Responder to Initiator detected.	Increments whenever a WTP ABORT packet from Responder to Initiator is received.	Per Active Charging Service.	Standard
ecs	wtp-seg-invk	INT32	Incremental	active	The total number of WTP Segmented INVOKE packets detected.	Increments whenever a WTP Segmented INVOKE packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-seg-rslt	INT32	Incremental	active	The total number of WTP Segmented RESULT packets detected.	Increments whenever a WTP Segmented RESULT packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-neg-ack	INT32	Incremental	active	The total number of WTP Negative ACK packets detected.	Increments whenever a WTP Negative ACK packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-tid-vrf	INT32	Incremental	active	The total number of WTP TID Verification packets detected.	Increments whenever a WTP TID Verification packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-noninit-invk	INT32	Incremental	active	The total number of WTP Non-initial INVOKE packets detected.	Increments whenever a WTP Non-initial INVOKE packet is detected.	Per Active Charging Service.	Standard
ecs	wtp-unk-pdu	INT32	Incremental	active	The total number of WTP unknown PDUs detected.	Increments whenever a WTP Unknown PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-flows	INT32	Incremental	active	The combined total of the number of WSP flows previously analyzed + WSP flows currently being analyzed.	Increments whenever a new WSP flow is created.	Per Active Charging Service.	Standard
ecs	wsp-flows-cur	INT32	Gauge	active	The number of WSP flows currently being analyzed.	Increments whenever a new WSP flow is created. Decrements whenever a WSP flow ends.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	wsp-co-conn	INT32	Incremental	active	The total number of WSP connection-oriented connections detected.	Increments whenever a new WSP Connection-oriented flow is created.	Per Active Charging Service.	Standard
ecs	wsp-cl-conn	INT32	Incremental	active	The total number of WSP connection-less connections detected.	Increments whenever a new WSP connection-less flow is created.	Per Active Charging Service.	Standard
ecs	wsp-uplk-bytes	INT64	Incremental	active	The total number of WSP bytes detected in uplink direction.	Increments whenever a new WSP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wsp-dwnlk-bytes	INT64	Incremental	active	The total number of WSP bytes detected in downlink direction.	Increments whenever a new WSP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wsp-uplk-pkts	INT64	Incremental	active	The total number of WSP packets detected in uplink direction.	Increments whenever a new WSP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wsp-dwnlk-pkts	INT64	Incremental	active	The total number of WSP packets detected in downlink direction.	Increments whenever a new WSP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wsp-uplk-bytes-retr	INT32	Incremental	active	The total number of WSP bytes retransmitted in uplink direction.	Increments whenever a new WSP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wsp-dwnlk-bytes-retr	INT32	Incremental	active	The total number of WSP bytes retransmitted in downlink direction.	Increments whenever a new WSP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wsp-uplk-pkts-retr	INT32	Incremental	active	The total number of WSP packets retransmitted in uplink direction.	Increments whenever a new WSP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	wsp-dwnlk-pkts-retr	INT32	Incremental	active	The total number of WSP packets retransmitted in downlink direction.	Increments whenever a new WSP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	wsp-co-req-succ	INT32	Incremental	active	The total number of WSP Connection Oriented Requests succeeded.	Increments whenever a WSP connection-oriented request completes successfully.	Per Active Charging Service.	Standard
ecs	wsp-co-req-fail	INT32	Incremental	active	The total number of WSP Connection Oriented Requests failed.	Increments whenever a WSP connection-oriented request fails.	Per Active Charging Service.	Standard
ecs	wsp-cl-req-succ	INT32	Incremental	active	The total number of WSP Connection-less Requests succeeded.	Increments whenever a WSP connection-less request completes successfully.	Per Active Charging Service.	Standard
ecs	wsp-cl-req-fail	INT32	Incremental	active	The total number of WSP Connection-less Requests failed.	Increments whenever a WSP connection-less request fails.	Per Active Charging Service.	Standard
ecs	wsp-conn-pdu	INT32	Incremental	active	The total number of WSP CONNECT PDU detected.	Increments whenever a new WSP CONNECT PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-conn-rep	INT32	Incremental	active	The total number of WSP CONNECT REPLY PDU detected.	Increments whenever a new WSP CONNECT Response packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-redir	INT32	Incremental	active	The total number of WSP REDIRECT PDU detected.	Increments whenever a new WSP REDIRECT PDU packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	wsp-disc	INT32	Incremental	active	The total number of WSP DISCONNECT PDU detected.	Increments whenever a new WSP DISCONNECT PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-susp	INT32	Incremental	active	The total number of WSP SUSPEND PDU detected.	Increments whenever a new WSP SUSPEND PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-resm	INT32	Incremental	active	The total number of WSP RESUME PDU detected.	Increments whenever a new WSP RESUME PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-opt	INT32	Incremental	active	The total number of WSP OPTIONS PDU detected.	Increments whenever a new WSP OPTIONS PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-head	INT32	Incremental	active	The total number of WSP HEAD PDU detected.	Increments whenever a new WSP HEAD PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-del	INT32	Incremental	active	The total number of WSP DELETE PDU detected.	Increments whenever a new WSP DELETE PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-trace	INT32	Incremental	active	The total number of WSP TRACE PDU detected.	Increments whenever a new WSP TRACE PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-reply	INT32	Incremental	active	The total number of WSP REPLY PDU detected.	Increments whenever a new WSP REPLY PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-put	INT32	Incremental	active	The total number of WSP PUT PDU detected.	Increments whenever a new WSP PUT PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-get	INT32	Incremental	active	The total number of WSP GET PDU detected.	Increments whenever a new WSP GET PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-push	INT32	Incremental	active	The total number of WSP PUSH PDU detected.	Increments whenever a new WSP PUSH PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-conf-push	INT32	Incremental	active	The total number of WSP CONFIRMED-PUSH PDU detected.	Increments whenever a new WSP CONFIRMED-PUSH PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-post	INT32	Incremental	active	The total number of WSP POST PDU detected.	Increments whenever a new WSP POST PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-data-frag	INT32	Incremental	active	The total number of WSP DATA-FRAGMENT PDU detected.	Increments whenever a new WSP DATA-FRAGMENT PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-rsrvd	INT32	Incremental	active	The total number of WSP RESERVED PDU detected.	Increments whenever a new WSP RESERVED PDU packet is detected.	Per Active Charging Service.	Standard
ecs	wsp-inv-pkts	INT32	Incremental	active	The total number of invalid WSP packets detected.	Increments whenever an invalid WSP packet is detected.	Per Active Charging Service.	Standard
ecs	mms-send	INT32	Incremental	active	The total number of MMS message send transactions detected.	Increments whenever a new MMS SEND packet is detected.	Per Active Charging Service.	Standard
ecs	mms-send-succ	INT32	Incremental	active	The total number of successful MMS message send transactions detected.	Increments whenever a MMS SEND transaction is successful.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	mms-send-fail	INT32	Incremental	active	The total number of failed MMS message send transactions detected.	Increments whenever a MMS SEND transaction fails.	Per Active Charging Service.	Standard
ecs	mms-retrv	INT32	Incremental	active	The total number of MMS message retrieve transactions detected.	Increments whenever a new MMS RETRIEVE packet is detected.	Per Active Charging Service.	Standard
ecs	mms-retrv-succ	INT32	Gauge	active	The total number of MMS message retrieve transactions succeeded.	Increments whenever a MMS RETRIEVE transaction is successful.	Per Active Charging Service.	Standard
ecs	mms-retrv-fail	INT32	Gauge	active	The total number of MMS message retrieve transactions failed.	Increments whenever a MMS RETRIEVE transaction fails.	Per Active Charging Service.	Standard
ecs	mms-uplk-bytes	INT64	Incremental	active	The total number of MMS bytes detected in uplink direction.	Increments whenever an uplink MMS packet is detected.	Per Active Charging Service.	Standard
ecs	mms-dwnlk-bytes	INT64	Incremental	active	The total number of MMS bytes detected in downlink direction.	Increments whenever a downlink MMS packet is detected.	Per Active Charging Service.	Standard
ecs	mms-uplk-pkts	INT64	Incremental	active	The total number of MMS packets detected in uplink direction.	Increments whenever an uplink MMS packet is detected.	Per Active Charging Service.	Standard
ecs	mms-dwnlk-pkts	INT64	Incremental	active	The total number of MMS packets detected in downlink direction.	Increments whenever a downlink MMS packet is detected.	Per Active Charging Service.	Standard
ecs	mms-uplk-bytes-retr	INT32	Incremental	active	The total number of MMS bytes retransmitted in uplink direction.	Increments whenever a new MMS retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	mms-dwnlk-bytes-retr	INT32	Incremental	active	The total number of MMS bytes retransmitted in downlink direction.	Increments whenever a new MMS retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	mms-uplk-pkts-retr	INT32	Incremental	active	The total number of MMS packets retransmitted in uplink direction.	Increments whenever a new MMS retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	mms-dwnlk-pkts-retr	INT32	Incremental	active	The total number of MMS packets retransmitted in downlink direction.	Increments whenever a new MMS retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	mms-snd-req	INT32	Incremental	active	The total number of MMS SEND Requests detected.	Increments whenever a new MMS Send-Request packet is detected.	Per Active Charging Service.	Standard
ecs	mms-snd-conf	INT32	Incremental	active	The total number of MMS SEND Confirms detected.	Increments whenever a new MMS Send-Confirm packet is detected.	Per Active Charging Service.	Standard
ecs	mms-ntf-ind	INT32	Incremental	active	The total number of MMS Notification Indication detected.	Increments whenever a new MMS Notify-Ind packet is detected.	Per Active Charging Service.	Standard
ecs	mms-ntf-ind-imm	INT32	Incremental	active	The total number of MMS Notification Indication Immediate detected.	Increments whenever a new MMS Notification Indication Immediate packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	mms-ntf-ind-del	INT32	Incremental	active	The total number of MMS Notification Indication Delayed detected.	Increments whenever a new MMS Notification Indication Delayed packet is detected.	Per Active Charging Service.	Standard
ecs	mms-ntf-rsp	INT32	Incremental	active	The total number of MMS Notification Response detected.	Increments whenever a new MMS Notification Response packet is detected.	Per Active Charging Service.	Standard
ecs	mms-retrv-conf	INT32	Incremental	active	The total number of MMS Retrieve Confirm detected.	Increments whenever a new MMS Retrieve Confirm packet is detected.	Per Active Charging Service.	Standard
ecs	mms-ack-ind	INT32	Incremental	active	The total number of MMS ACK Indication detected.	Increments whenever a new MMS ACK Indication packet is detected.	Per Active Charging Service.	Standard
ecs	mms-delvry-ind	INT32	Incremental	active	The total number of MMS Delivery Indication detected.	Increments whenever a new MMS Delivery Indication packet is detected.	Per Active Charging Service.	Standard
ecs	mms-unk-pdu	INT32	Incremental	active	The total number of MMS Unknown PDU Type detected.	Increments whenever a new MMS Unknown PDU packet is detected.	Per Active Charging Service.	Standard
ecs	mms-inv-pkts	INT32	Incremental	active	The total number of invalid MMS packets detected.	Increments whenever an invalid MMS packet is detected.	Per Active Charging Service.	Standard
ecs	sip-flows	INT32	Incremental	active	The combined total of the number of SIP flows previously analyzed + SIP flows currently being analyzed.	Increments whenever a new SIP flow is created.	Per Active Charging Service.	Standard
ecs	sip-flows-cur	INT32	Gauge	active	The number of SIP flows currently being analyzed.	Increments whenever a new SIP flow is created. Decrements whenever a SIP flow ends.	Per Active Charging Service.	Standard
ecs	sip-calls	INT32	Incremental	active	The total number of SIP calls detected.	Increments whenever a new SIP call with globally unique call ID arrives.	Per Active Charging Service.	Standard
ecs	sip-total-uplk-bytes	INT64	Incremental	active	The total number of SIP bytes detected in uplink direction.	Increments whenever a new SIP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	sip-total-dwnlk-bytes	INT64	Incremental	active	The total number of SIP bytes detected in downlink direction.	Increments whenever a new SIP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-total-uplk-pkts	INT32	Incremental	active	The total number of SIP packets detected in uplink direction.	Increments whenever a new SIP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	sip-total-dwnlk-pkts	INT32	Incremental	active	The total number of SIP packets detected in downlink direction.	Increments whenever a new SIP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-valid-uplk-pkts	INT32	Incremental	active	The total number of valid SIP packets detected in uplink direction.	Increments whenever a new valid SIP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-valid-dwnlk-pkts	INT32	Incremental	active	The total number of valid SIP packets detected in downlink direction.	Increments whenever a new valid SIP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-uplk-pkts-retr	INT32	Incremental	active	The total number of SIP packets retransmitted in uplink direction.	Increments whenever a new SIP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	sip-dwnlk-pkts-retr	INT32	Incremental	active	The total number of SIP packets retransmitted in downlink direction.	Increments whenever a new SIP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-uplk-err-pkts	INT32	Incremental	active	The total number of SIP error packets detected in uplink direction.	Increments whenever a new SIP error packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-dwnlk-err-pkts	INT32	Incremental	active	The total number of SIP error packets detected in downlink direction.	Increments whenever a new SIP error packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	sip-curr-udp-flows	INT32	Gauge	active	The number of SIP UDP flows currently being analyzed.	Increments whenever a new SIP flow of type UDP is created. Decrements whenever it ends.	Per Active Charging Service.	Standard
ecs	sip-total-udp-flows	INT32	Incremental	active	The combined total of the number of SIP UDP flows previously analyzed + SIP UDP flows currently being analyzed.	Increments whenever a new SIP flow of type UDP is created.	Per Active Charging Service.	Standard
ecs	sip-curr-tcp-flows	INT32	Gauge	active	The number of SIP TCP flows currently being analyzed.	Increments whenever a new SIP flow of type TCP is created. Decrements whenever it ends.	Per Active Charging Service.	Standard
ecs	sip-total-tcp-flows	INT32	Incremental	active	The combined total of the number of SIP TCP flows previously analyzed + SIP TCP flows currently being analyzed.	Increments whenever a new SIP flow of type TCP is created.	Per Active Charging Service.	Standard
ecs	sip-invite	INT32	Incremental	active	The total number of SIP INVITE commands detected.	Increments whenever a new SIP INVITE packet is detected.	Per Active Charging Service.	Standard
ecs	sip-bye	INT32	Incremental	active	The total number of SIP BYE commands detected.	Increments whenever a new SIP BYE packet is detected.	Per Active Charging Service.	Standard
ecs	sip-ack	INT32	Incremental	active	The total number of SIP ACK commands detected.	Increments whenever a new SIP ACK packet is detected.	Per Active Charging Service.	Standard
ecs	sip-cancel	INT32	Incremental	active	The total number of SIP CANCEL commands detected.	Increments whenever a new SIP CANCEL packet is detected.	Per Active Charging Service.	Standard
ecs	sip-register	INT32	Incremental	active	The total number of SIP REGISTER commands detected.	Increments whenever a new SIP REGISTER packet is detected.	Per Active Charging Service.	Standard
ecs	sip-info	INT32	Incremental	active	The total number of SIP INFO commands detected.	Increments whenever a new SIP INFO packet is detected.	Per Active Charging Service.	Standard
ecs	sip-prack	INT32	Incremental	active	The total number of SIP PRACK commands detected.	Increments whenever a new SIP PRACK packet is detected.	Per Active Charging Service.	Standard
ecs	sip-refer	INT32	Incremental	active	The total number of SIP REFER commands detected.	Increments whenever a new SIP REFER packet is detected.	Per Active Charging Service.	Standard
ecs	sip-update	INT32	Incremental	active	The total number of SIP UPDATE commands detected.	Increments whenever a new SIP UPDATE packet is detected.	Per Active Charging Service.	Standard
ecs	sip-message	INT32	Incremental	active	The total number of SIP MESSAGE commands detected.	Increments whenever a new SIP MESSAGE packet is detected.	Per Active Charging Service.	Standard
ecs	sip-options	INT32	Incremental	active	The total number of SIP OPTIONS commands detected.	Increments whenever a new SIP OPTIONS packet is detected.	Per Active Charging Service.	Standard
ecs	sip-publish	INT32	Incremental	active	The total number of SIP PUBLISH commands detected.	Increments whenever a new SIP PUBLISH packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-subscribe	INT32	Incremental	active	The total number of SIP SUBSCRIBE commands detected.	Increments whenever a new SIP SUBSCRIBE packet is detected.	Per Active Charging Service.	Standard
ecs	sip-notify	INT32	Incremental	active	The total number of SIP NOTIFY commands detected.	Increments whenever a new SIP NOTIFY packet is detected.	Per Active Charging Service.	Standard
ecs	sip-1xx	INT32	Incremental	active	The total number of SIP 1XX responses detected.	Increments whenever a new SIP 1XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-2xx	INT32	Incremental	active	The total number of SIP 2XX responses detected.	Increments whenever a new SIP 2XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-3xx	INT32	Incremental	active	The total number of SIP 3XX responses detected.	Increments whenever a new SIP 3XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-4xx	INT32	Incremental	active	The total number of SIP 4XX responses detected.	Increments whenever a new SIP 4XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-5xx	INT32	Incremental	active	The total number of SIP 5XX responses detected.	Increments whenever a new SIP 5XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-6xx	INT32	Incremental	active	The total number of SIP 6XX responses detected.	Increments whenever a new SIP 6XX packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-invite	INT32	Incremental	active	The total number of SIP INVITE commands retransmitted.	Increments whenever a new SIP INVITE retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-bye	INT32	Incremental	active	The total number of SIP BYE commands retransmitted.	Increments whenever a new SIP BYE retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-ack	INT32	Incremental	active	The total number of SIP ACK commands retransmitted.	Increments whenever a new SIP ACK retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-cancel	INT32	Incremental	active	The total number of SIP CANCEL commands retransmitted.	Increments whenever a new SIP CANCEL retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-register	INT32	Incremental	active	The total number of SIP REGISTER commands retransmitted.	Increments whenever a new SIP REGISTER retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-info	INT32	Incremental	active	The total number of SIP INFO commands retransmitted.	Increments whenever a new SIP INFO retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-prack	INT32	Incremental	active	The total number of SIP PRACK commands retransmitted.	Increments whenever a new SIP PRACK retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-refer	INT32	Incremental	active	The total number of SIP REFER commands retransmitted.	Increments whenever a new SIP REFER retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-update	INT32	Incremental	active	The total number of SIP UPDATE commands retransmitted.	Increments whenever a new SIP UPDATE retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-message	INT32	Incremental	active	The total number of SIP MESSAGE commands retransmitted.	Increments whenever a new SIP MESSAGE retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-options	INT32	Incremental	active	The total number of SIP OPTIONS commands retransmitted.	Increments whenever a new SIP OPTIONS retransmitted packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-retrans-publish	INT32	Incremental	active	The total number of SIP PUBLISH commands retransmitted.	Increments whenever a new SIP PUBLISH retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-subscribe	INT32	Incremental	active	The total number of SIP SUBSCRIBE commands retransmitted.	Increments whenever a new SIP SUBSCRIBE retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-notify	INT32	Incremental	active	The total number of SIP MODIFY commands retransmitted.	Increments whenever a new SIP MODIFY retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-1xx	INT32	Incremental	active	The total number of SIP 1XX responses retransmitted.	Increments whenever a new SIP 1XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-2xx	INT32	Incremental	active	The total number of SIP 2XX responses retransmitted.	Increments whenever a new SIP 2XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-3xx	INT32	Incremental	active	The total number of SIP 3XX responses retransmitted.	Increments whenever a new SIP 3XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-4xx	INT32	Incremental	active	The total number of SIP 4XX responses retransmitted.	Increments whenever a new SIP 4XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-5xx	INT32	Incremental	active	The total number of SIP 5XX responses retransmitted.	Increments whenever a new SIP 5XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	sip-retrans-6xx	INT32	Incremental	active	The total number of SIP 6XX responses retransmitted.	Increments whenever a new SIP 6XX retransmitted packet is detected.	Per Active Charging Service.	Standard
ecs	h323-calls	INT32	Incremental	active	The total number of H323 calls detected.	Increments whenever a new H323 call arrives.	Per Active Charging Service.	Standard
ecs	h323-uplk-bytes	INT64	Incremental	active	The total number of H323 bytes transferred in the uplink direction.	Increments whenever a new H323 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	h323-dwnlk-bytes	INT64	Incremental	active	The total number of H323 bytes transferred in the downlink direction.	Increments whenever a new H323 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	h323-uplk-pkts	INT64	Incremental	active	The total number of H323 packets transferred in the uplink direction.	Increments whenever a new H323 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	h323-dwnlk-pkts	INT64	Incremental	active	The total number of H323 packets transferred in the downlink direction.	Increments whenever a new H323 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	h323-q931-messages	INT64	Incremental	active	The total number of Q931 messages both in uplink and downlink directions.	Increments whenever a new Q931 packet is detected.	Per Active Charging Service.	Standard
ecs	h323-h245-messages	INT64	Incremental	active	The total number of H245 messages both in uplink and downlink directions.	Increments whenever a new H245 packet is detected.	Per Active Charging Service.	Standard
ecs	h323-ras-messages	INT64	Incremental	active	The total number of RAS messages both in uplink and downlink directions.	Increments whenever a new RAS packet is detected.	Per Active Charging Service.	Standard
ecs	sip-advanced-calls	INT64	Incremental	active	The number of current SIP calls processed by SIP ALG.	Increments whenever a SIP call is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-total-calls	INT64	Incremental	active	The total number of SIP calls processed by SIP ALG.	Increments whenever a SIP call is processed by SIP ALG.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-advanced-udp-calls	INT64	Gauge	active	The number of current SIP UDP calls processed by SIP ALG.	Increments whenever a SIP UDP call is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-total-udp-calls	INT64	Incremental	active	The total number of SIP UDP calls processed by SIP ALG.	Increments whenever a SIP UDP call is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-tcp-calls	INT64	Gauge	active	The number of current SIP TCP calls processed by SIP ALG.	Increments whenever a SIP TCP call is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-total-tcp-calls	INT64	Incremental	active	The total number of SIP TCP calls processed by SIP ALG.	Increments whenever a SIP TCP call is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-uplk-bytes	INT64	Incremental	active	The total number of uplink bytes processed by SIP ALG.	Increments whenever an uplink packet is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-dwnlk-bytes	INT64	Incremental	active	The total number of downlink bytes processed by SIP ALG.	Increments whenever a downlink packet is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-uplk-pkts	INT64	Incremental	active	The total number of uplink packets processed by SIP ALG.	Increments whenever an uplink packet is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-dwnlk-pkts	INT64	Incremental	active	The total number of downlink packets processed by SIP ALG.	Increments whenever a downlink packet is processed by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-register-rx	INT64	Incremental	active	The total number of REGISTER requests received by SIP ALG.	Increments whenever a REGISTER request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-invite-rx	INT64	Incremental	active	The total number of INVITE requests received by SIP ALG.	Increments whenever an INVITE request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-ack-rx	INT64	Incremental	active	The total number of ACK requests received by SIP ALG.	Increments whenever an ACK request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-bye-rx	INT64	Incremental	active	The total number of BYE requests received by SIP ALG.	Increments whenever a BYE request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-info-rx	INT64	Incremental	active	The total number of INFO requests received by SIP ALG.	Increments whenever an INFO request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-prack-rx	INT64	Incremental	active	The total number of PRACK requests received by SIP ALG.	Increments whenever a PRACK request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-refer-rx	INT64	Incremental	active	The total number of REFER requests received by SIP ALG.	Increments whenever a REFER request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-cancel-rx	INT64	Incremental	active	The total number of CANCEL requests received by SIP ALG.	Increments whenever a CANCEL request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-update-rx	INT64	Incremental	active	The total number of UPDATE requests received by SIP ALG.	Increments whenever an UPDATE request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-message-rx	INT64	Incremental	active	The total number of MESSAGE requests received by SIP ALG.	Increments whenever a MESSAGE request is received by SIP ALG.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-advanced-options-rx	INT64	Incremental	active	The total number of OPTIONS requests received by SIP ALG.	Increments whenever an OPTIONS request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-publish-rx	INT64	Incremental	active	The total number of PUBLISH requests received by SIP ALG.	Increments whenever a PUBLISH request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-subscribe-rx	INT64	Incremental	active	The total number of SUBSCRIBE requests received by SIP ALG.	Increments whenever a SUBSCRIBE request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-notify-rx	INT64	Incremental	active	The total number of NOTIFY requests received by SIP ALG.	Increments whenever a NOTIFY request is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-1xx-rx	INT64	Incremental	active	The total number of 1XX responses received by SIP ALG.	Increments whenever a 1XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-2xx-rx	INT64	Incremental	active	The total number of 2XX responses received by SIP ALG.	Increments whenever a 2XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-3xx-rx	INT64	Incremental	active	The total number of 3XX responses received by SIP ALG.	Increments whenever a 3XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-4xx-rx	INT64	Incremental	active	The total number of 4XX responses received by SIP ALG.	Increments whenever a 4XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-5xx-rx	INT64	Incremental	active	The total number of 5XX responses received by SIP ALG.	Increments whenever a 5XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-6xx-rx	INT64	Incremental	active	The total number of 6XX responses received by SIP ALG.	Increments whenever a 6XX response is received by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-register-tx	INT64	Incremental	active	The total number of REGISTER requests transmitted by SIP ALG.	Increments whenever a REGISTER request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-invite-tx	INT64	Incremental	active	The total number of INVITE requests transmitted by SIP ALG.	Increments whenever an INVITE request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-ack-tx	INT64	Incremental	active	The total number of ACK requests transmitted by SIP ALG.	Increments whenever an ACK request is transmitted by SIP ALG..	Per Active Charging Service.	Standard
ecs	sip-advanced-bye-tx	INT64	Incremental	active	The total number of BYE requests transmitted by SIP ALG.	Increments whenever a BYE request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-info-tx	INT64	Incremental	active	The total number of INFO requests transmitted by SIP ALG.	Increments whenever an INFO request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-prack-tx	INT64	Incremental	active	The total number of PRACK requests transmitted by SIP ALG.	Increments whenever a PRACK request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-refer-tx	INT64	Incremental	active	The total number of REFER requests transmitted by SIP ALG.	Increments whenever a REFER request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-cancel-tx	INT64	Incremental	active	The total number of CANCEL requests transmitted by SIP ALG.	Increments whenever a CANCEL request is transmitted by SIP ALG.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	sip-advanced-update-tx	INT64	Incremental	active	The total number of UPDATE requests transmitted by SIP ALG.	Increments whenever an UPDATE request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-message-tx	INT64	Incremental	active	The total number of MESSAGE requests transmitted by SIP ALG.	Increments whenever a MESSAGE request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-options-tx	INT64	Incremental	active	The total number of OPTIONS requests transmitted by SIP ALG.	Increments whenever an OPTIONS request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-publish-tx	INT64	Incremental	active	The total number of PUBLISH requests transmitted by SIP ALG.	Increments whenever a PUBLISH request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-subscribe-tx	INT64	Incremental	active	The total number of SUBSCRIBE requests transmitted by SIP ALG.	Increments whenever a SUBSCRIBE request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-notify-tx	INT64	Incremental	active	The total number of NOTIFY requests transmitted by SIP ALG.	Increments whenever a NOTIFY request is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-1xx-tx	INT64	Incremental	active	The total number of 1XX responses transmitted by SIP ALG.	Increments whenever a 1XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-2xx-tx	INT64	Incremental	active	The total number of 2XX responses transmitted by SIP ALG.	Increments whenever a 2XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-3xx-tx	INT64	Incremental	active	The total number of 3XX responses transmitted by SIP ALG.	Increments whenever a 3XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-4xx-tx	INT64	Incremental	active	The total number of 4XX responses transmitted by SIP ALG.	Increments whenever a 4XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-5xx-tx	INT64	Incremental	active	The total number of 5XX responses transmitted by SIP ALG.	Increments whenever a 5XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	sip-advanced-6xx-tx	INT64	Incremental	active	The total number of 6XX responses transmitted by SIP ALG.	Increments whenever a 6XX response is transmitted by SIP ALG.	Per Active Charging Service.	Standard
ecs	rtsp-flows	INT32	Incremental	active	The combined total of the number of RTSP flows previously analyzed + RTSP flows currently being analyzed.	Increments whenever a new RTSP flow is created.	Per Active Charging Service.	Standard
ecs	rtsp-flows-cur	INT32	Gauge	active	The number of RTSP flows currently being analyzed.	Increments whenever a new RTSP flow is created. Decrements whenever an RTSP flow ends.	Per Active Charging Service.	Standard
ecs	rtsp-sess	INT32	Incremental	active	The total number of RTSP sessions detected.	Increments whenever a new RTSP session is created.	Per Active Charging Service.	Standard
ecs	rtsp-uplk-bytes	INT64	Incremental	active	The total number of RTSP bytes detected in uplink direction.	Increments whenever a new RTSP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	rtsp-dwnlk-bytes	INT64	Incremental	active	The total number of RTSP bytes detected in downlink direction.	Increments whenever a new RTSP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtsp-uplk-pkts	INT64	Incremental	active	The total number of RTSP packets detected in uplink direction.	Increments whenever a new RTSP packet is detected in uplink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	rtsp-dwnlk-pkts	INT64	Incremental	active	The total number of RTSP packets detected in downlink direction.	Increments whenever a new RTSP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtsp-uplk-bytes-retr	INT64	Incremental	active	The total number of RTSP bytes retransmitted in uplink direction.	Increments whenever a new RTSP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	rtsp-dwnlk-bytes-retr	INT64	Incremental	active	The total number of RTSP bytes retransmitted in downlink direction.	Increments whenever a new RTSP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtsp-uplk-pkts-retr	INT32	Incremental	active	The total number of RTSP packets retransmitted in uplink direction.	Increments whenever a new RTSP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	rtsp-dwnlk-pkts-retr	INT32	Incremental	active	The total number of RTSP packets retransmitted in downlink direction.	Increments whenever a new RTSP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtsp-play	INT32	Incremental	active	The total number of RTSP PLAY commands detected.	Increments whenever a new RTSP PLAY command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-setup	INT32	Incremental	active	The total number of RTSP SETUP commands detected.	Increments whenever a new RTSP SETUP command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-pause	INT32	Incremental	active	The total number of RTSP PAUSE commands detected.	Increments whenever a new RTSP PAUSE command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-record	INT32	Incremental	active	The total number of RTSP RECORD commands detected.	Increments whenever a new RTSP RECORD command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-option	INT32	Incremental	active	The total number of RTSP OPTION commands detected.	Increments whenever a new RTSP OPTION command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-redir	INT32	Incremental	active	The total number of RTSP REDIRECT commands detected.	Increments whenever a new RTSP REDIRECT command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-desc	INT32	Incremental	active	The total number of RTSP DESCRIBE commands detected.	Increments whenever a new RTSP DESCRIBE command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-announ	INT32	Incremental	active	The total number of RTSP ANNOUNCE commands detected.	Increments whenever a new RTSP ANNOUNCE command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-trdwn	INT32	Incremental	active	The total number of RTSP TEARDOWN commands detected.	Increments whenever a new RTSP TEARDOWN command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-get-param	INT32	Incremental	active	The total number of RTSP GET PARAMETER commands detected.	Increments whenever a new RTSP GET PARAMETER command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-set-param	INT32	Incremental	active	The total number of RTSP SET PARAMETER commands detected.	Increments whenever a new RTSP SET PARAMETER command is detected.	Per Active Charging Service.	Standard
ecs	rtsp-inv-pkts	INT32	Incremental	active	The total number of invalid RTSP packets detected.	Increments whenever an invalid RTSP packet is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	rtp-flows	INT32	Incremental	active	The combined total of the number of RTP flows previously analyzed + RTP flows currently being analyzed.	Increments whenever a new RTP flow is created.	Per Active Charging Service.	Standard
ecs	rtp-flows-cur	INT32	Gauge	active	The number of RTP flows currently being analyzed.	Increments whenever a new RTP flow is created. Decrements whenever an RTP flow ends.	Per Active Charging Service.	Standard
ecs	rtp-uplk-bytes	INT64	Incremental	active	The total number of RTP bytes detected in uplink direction.	Increments whenever a new RTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	rtp-dwnlk-bytes	INT64	Incremental	active	The total number of RTP bytes detected in downlink direction.	Increments whenever a new RTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtp-uplk-pkts	INT64	Incremental	active	The total number of RTP packets detected in uplink direction.	Increments whenever a new RTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	rtp-dwnlk-pkts	INT64	Incremental	active	The total number of RTP packets detected in downlink direction.	Increments whenever a new RTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	rtp-accel-pkts	INT64	Incremental	active	The total number of RTP packets that were accelerated through the Flow-Aware-Packet-Acceleration feature.	Increments whenever a new RTP packet was accelerated through the Flow-Aware-Packet-Acceleration feature.	Per Active Charging Service.	Standard
ecs	ftp-flows	INT32	Incremental	active	The combined total of the number of FTP flows previously analyzed + FTP flows currently being analyzed.	Increments whenever a new FTP flow is created.	Per Active Charging Service.	Standard
ecs	ftp-flows-cur	INT32	Gauge	active	The number of FTP flows currently being analyzed.	Increments whenever a new FTP flow is created. Decrements whenever an FTP flow ends.	Per Active Charging Service.	Standard
ecs	ftp-uplk-bytes	INT64	Incremental	active	The total number of FTP bytes detected in uplink direction.	Increments whenever a new FTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ftp-dwnlk-bytes	INT64	Incremental	active	The total number of FTP bytes detected in downlink direction.	Increments whenever a new FTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ftp-uplk-pkts	INT64	Incremental	active	The total number of FTP packets detected in uplink direction.	Increments whenever a new FTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	ftp-dwnlk-pkts	INT64	Incremental	active	The total number of FTP packets detected in downlink direction.	Increments whenever a new FTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	ftp-retr	INT32	Incremental	active	The total number of FTP RETR commands detected.	Increments whenever an FTP packet is retransmitted.	Per Active Charging Service.	Standard
ecs	ftp-stor	INT32	Incremental	active	The total number of FTP STOR commands detected.	Increments whenever a new FTP STOR command is detected.	Per Active Charging Service.	Standard
ecs	ftp-inv-pkts	INT32	Incremental	active	The total number of invalid FTP packets detected.	Increments whenever an invalid FTP packet is detected.	Per Active Charging Service.	Standard
ecs	pptp-flows	INT32	Incremental	active	The combined total of the number of PPTP flows previously analyzed + PPTP flows currently being analyzed.	Increments whenever a new PPTP flow is created.	Per Active Charging Service.	Standard
ecs	pptp-gre-flows	INT32	Incremental	active	The combined total of the number of PPTP GRE flows previously analyzed + PPTP GRE flows currently being analyzed.	Increments whenever a new PPTP GRE flow is created.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	pptp-uplk-bytes	INT64	Incremental	active	The total number of uplink bytes sent across all PPTP control flows.	Increments whenever a new PPTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pptp-dwnlk-bytes	INT64	Incremental	active	The total number of downlink bytes received across all PPTP control flows.	Increments whenever a new PPTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pptp-uplk-pkts	INT64	Incremental	active	The total number of uplink packets sent across all PPTP control flows.	Increments whenever a new PPTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pptp-dwnlk-pkts	INT64	Incremental	active	The total number of downlink packets received across all PPTP control flows.	Increments whenever a new PPTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pptp-inv-pkts	INT32	Incremental	active	The total number of invalid packets received across all PPTP control flows.	Increments whenever an invalid PPTP packet is detected.	Per Active Charging Service.	Standard
ecs	pptp-unknown-pkts	INT32	Incremental	active	The total number of unknown packets received across all PPTP control flows.	Increments whenever an unknown PPTP packet is detected.	Per Active Charging Service.	Standard
ecs	pptp-gre-uplk-bytes	INT64	Incremental	active	The total number of uplink bytes sent across all PPTP GRE flows.	Increments whenever a new PPTP GRE packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pptp-gre-dwnlk-bytes	INT64	Incremental	active	The total number of downlink bytes received across all PPTP GRE flows.	Increments whenever a new PPTP GRE packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pptp-gre-uplk-pkts	INT64	Incremental	active	The total number of uplink packets sent across all PPTP GRE flows.	Increments whenever a new PPTP GRE packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pptp-gre-dwnlk-pkts	INT64	Incremental	active	The total number of downlink packets received across all PPTP GRE flows.	Increments whenever a new PPTP GRE packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tftp-flows	INT32	Incremental	active	The total number of TFTP control and data flows established.	Increments whenever a new TFTP flow is created.	Per Active Charging Service.	Standard
ecs	tftp-uplk-bytes	INT64	Incremental	active	The total number of uplink bytes sent across all the TFTP control and data flows.	Increments whenever a new TFTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tftp-dwnlk-bytes	INT64	Incremental	active	The total number of downlink bytes received across all the TFTP control and data flows.	Increments whenever a new TFTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tftp-uplk-pkts	INT64	Incremental	active	The total number of uplink packets sent across all the TFTP control and data flows.	Increments whenever a new TFTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tftp-dwnlk-pkts	INT64	Incremental	active	The total number of downlink packets received across all the TFTP control and data flows.	Increments whenever a new TFTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tftp-total-read-sessions	INT32	Incremental	active	The total number of TFTP control flow read operations.	Increments when a new TFTP control flow read operation is detected.	Per Active Charging Service.	Standard
ecs	tftp-total-write-sessions	INT32	Incremental	active	The total number of TFTP control flow write operations.	Increments when a new TFTP control flow write operation is detected.	Per Active Charging Service.	Standard
ecs	tftp-unsupp-req-pkts	INT32	Incremental	active	The total number of TFTP unsupported control flow requests.	Increments when a new TFTP unsupported control flow request is detected.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tftp-invalid-ctrl-pkts	INT32	Incremental	active	The total number of TFTP control flow invalid packets.	Increments when a new TFTP control flow invalid packet is detected.	Per Active Charging Service.	Standard
ecs	tftp-invalid-data-pkts	INT32	Incremental	active	The total number of TFTP data flow invalid packets.	Increments when a new TFTP data flow invalid packet is detected.	Per Active Charging Service.	Standard
ecs	tftp-data-uplk-bytes	INT64	Incremental	active	The total number of uplink bytes across all TFTP data flows.	Increments whenever a new TFTP data flow packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tftp-data-dwnlk-bytes	INT64	Incremental	active	The total number of downlink bytes across all TFTP data flows.	Increments whenever a new TFTP data flow packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	tftp-data-uplk-pkts	INT64	Incremental	active	The total number of uplink packets across all TFTP data flows.	Increments whenever a new TFTP data flow packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	tftp-data-dwnlk-pkts	INT64	Incremental	active	The total number of downlink packets across all TFTP data flows.	Increments whenever a new TFTP data flow packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	smtp-flows	INT32	Incremental	active	The combined total of the number of SMTP flows previously analyzed + SMTP flows currently being analyzed.	Increments whenever a new SMTP flow is created.	Per Active Charging Service.	Standard
ecs	smtp-flows-cur	INT32	Gauge	active	The number of SMTP flows currently being analyzed.	Increments whenever a new SMTP flow is created. Decrements whenever an SMTP flow ends.	Per Active Charging Service.	Standard
ecs	smtp-uplk-bytes	INT64	Incremental	active	The total number of SMTP bytes detected in uplink direction.	Increments whenever a new SMTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	smtp-dwnlk-bytes	INT64	Incremental	active	The total number of SMTP bytes detected in downlink direction.	Increments whenever a new SMTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	smtp-uplk-pkts	INT64	Incremental	active	The total number of SMTP packets detected in uplink direction.	Increments whenever a new SMTP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	smtp-dwnlk-pkts	INT64	Incremental	active	The total number of SMTP packets detected in downlink direction.	Increments whenever a new SMTP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	smtp-uplk-bytes-retr	INT32	Incremental	active	The total number of SMTP bytes retransmitted in uplink direction.	Increments whenever a new SMTP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	smtp-dwnlk-bytes-retr	INT32	Incremental	active	The total number of SMTP bytes retransmitted in downlink direction.	Increments whenever a new SMTP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	smtp-uplk-pkts-retr	INT32	Incremental	active	The total number of SMTP packets retransmitted in uplink direction.	Increments whenever a new SMTP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	smtp-dwnlk-pkts-retr	INT32	Incremental	active	The total number of SMTP packets retransmitted in downlink direction.	Increments whenever a new SMTP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	smtp-unk-cmd	INT32	Incremental	active	The total number of SMTP Unknown commands detected.	Increments whenever an SMTP unknown command is detected.	Per Active Charging Service.	Standard
ecs	smtp-unk-resp	INT32	Incremental	active	The total number of SMTP Unknown responses detected.	Increments whenever an SMTP unknown response is received.	Per Active Charging Service.	Standard
ecs	smtp-req-succ	INT32	Incremental	active	The total number of SMTP requests succeeded.	Increments whenever an SMTP request is successful.	Per Active Charging Service.	Standard
ecs	smtp-req-fail	INT32	Incremental	active	The total number of failed SMTP requests.	Increments whenever an SMTP request fails.	Per Active Charging Service.	Standard
ecs	smtp-helo	INT32	Incremental	active	The total number of SMTP HELO commands detected.	Increments whenever an SMTP HELO command is detected.	Per Active Charging Service.	Standard
ecs	smtp-ehlo	INT32	Incremental	active	The total number of SMTP EHLO commands detected.	Increments whenever an SMTP EHLO command is detected.	Per Active Charging Service.	Standard
ecs	smtp-mail-frm	INT32	Incremental	active	The total number of SMTP MAIL FROM commands detected.	Increments whenever an SMTP MAIL FROM command is detected.	Per Active Charging Service.	Standard
ecs	smtp-rcpt-to	INT32	Incremental	active	The total number of SMTP RCPT TO commands detected.	Increments whenever an SMTP RCPT TO command is detected.	Per Active Charging Service.	Standard
ecs	smtp-data	INT32	Incremental	active	The total number of SMTP DATA commands detected.	Increments whenever an SMTP DATA command is detected.	Per Active Charging Service.	Standard
ecs	smtp-bdat	INT32	Incremental	active	The total number of SMTP BDAT commands detected.	Increments whenever an SMTP BDAT command is detected.	Per Active Charging Service.	Standard
ecs	smtp-vrfy	INT32	Incremental	active	The total number of SMTP VERIFY commands detected.	Increments whenever an SMTP VERIFY command is detected.	Per Active Charging Service.	Standard
ecs	smtp-expn	INT32	Incremental	active	The total number of SMTP EXPN commands detected.	Increments whenever an SMTP EXPN command is detected.	Per Active Charging Service.	Standard
ecs	smtp-noop	INT32	Incremental	active	The total number of SMTP NOOP commands detected.	Increments whenever an SMTP NOOP command is detected.	Per Active Charging Service.	Standard
ecs	smtp-rset	INT32	Incremental	active	The total number of SMTP RSET commands detected.	Increments whenever an SMTP RSET command is detected.	Per Active Charging Service.	Standard
ecs	smtp-quit	INT32	Incremental	active	The total number of SMTP QUIT commands detected.	Increments whenever an SMTP QUIT command is detected.	Per Active Charging Service.	Standard
ecs	smtp-inv-pkts	INT32	Incremental	active	The total number of invalid SMTP packets detected.	Increments whenever an invalid SMTP packet is detected.	Per Active Charging Service.	Standard
ecs	pop3-flows	INT32	Incremental	active	The combined total of the number of POP3 flows previously analyzed + POP3 flows currently being analyzed.	Increments whenever a new POP3 flow is created.	Per Active Charging Service.	Standard
ecs	pop3-flows-cur	INT32	Gauge	active	The number of POP3 flows currently being analyzed.	Increments whenever a new POP3 flow is created. Decrements whenever a POP3 flow ends.	Per Active Charging Service.	Standard
ecs	pop3-uplk-bytes	INT64	Incremental	active	The total number of POP3 bytes detected in uplink direction.	Increments whenever a new POP3 packet is detected in uplink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	pop3-dwnlk-bytes	INT64	Incremental	active	The total number of POP3 bytes detected in downlink direction.	Increments whenever a new POP3 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pop3-uplk-pkts	INT64	Incremental	active	The total number of POP3 packets detected in uplink direction.	Increments whenever a new POP3 packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pop3-dwnlk-pkts	INT64	Incremental	active	The total number of POP3 packets detected in downlink direction.	Increments whenever a new POP3 packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pop3-uplk-bytes-retr	INT32	Incremental	active	The total number of POP3 bytes retransmitted in uplink direction.	Increments whenever a new POP3 retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pop3-dwnlk-bytes-retr	INT32	Incremental	active	The total number of POP3 bytes retransmitted in downlink direction.	Increments whenever a new POP3 retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pop3-uplk-pkts-retr	INT32	Incremental	active	The total number of POP3 packets retransmitted in uplink direction.	Increments whenever a new POP3 retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	pop3-dwnlk-pkts-retr	INT32	Incremental	active	The total number of POP3 packets retransmitted in downlink direction.	Increments whenever a new POP3 retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	pop3-retr	INT32	Incremental	active	The total number of POP3 RETR commands detected.	Increments whenever a POP3 RETR command is detected.	Per Active Charging Service.	Standard
ecs	pop3-retr-succ	INT32	Incremental	active	The total number of POP3 RETR commands successful.	Increments whenever a POP3 RETR command is successful.	Per Active Charging Service.	Standard
ecs	pop3-list	INT32	Incremental	active	The total number of POP3 LIST commands detected.	Increments whenever a POP3 LIST command is detected.	Per Active Charging Service.	Standard
ecs	pop3-list-succ	INT32	Incremental	active	The total number of POP3 LIST commands successful.	Increments whenever a POP3 LIST command is successful.	Per Active Charging Service.	Standard
ecs	pop3-inv-pkts	INT32	Incremental	active	The total number of invalid POP3 packets detected.	Increments whenever an invalid POP3 packet is detected.	Per Active Charging Service.	Standard
ecs	imap-uplk-bytes	INT64	Incremental	active	The total number of IMAP bytes detected in uplink direction.	Increments whenever a new IMAP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	imap-dwnlk-bytes	INT64	Incremental	active	The total number of IMAP bytes detected in downlink direction.	Increments whenever a new IMAP packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	imap-uplk-pkts	INT64	Incremental	active	The total number of IMAP packets detected in uplink direction.	Increments whenever a new IMAP packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	imap-dwnlk-pkts	INT64	Incremental	active	The total number of IMAP packets detected in downlink direction.	Increments whenever a new IMAP packet is detected in downlink direction.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	imap-uplk-bytes-retr	INT64	Incremental	active	The total number of IMAP retry bytes detected in uplink direction.	Increments whenever a new IMAP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	imap-dwnlk-bytes-retr	INT64	Incremental	active	The total number of IMAP retry bytes detected in downlink direction.	Increments whenever a new IMAP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	imap-uplk-pkts-retr	INT32	Incremental	active	The total number of IMAP retry packets detected in uplink direction.	Increments whenever a new IMAP retransmitted packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	imap-dwnlk-pkts-retr	INT32	Incremental	active	The total number of IMAP retry packets detected in downlink direction.	Increments whenever a new IMAP retransmitted packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	imap-req-succ	INT32	Incremental	active	The total number of successful IMAP requests detected.	Increments whenever an IMAP request is successful.	Per Active Charging Service.	Standard
ecs	imap-req-fail	INT32	Incremental	active	The total number of failed IMAP requests detected.	Increments whenever an IMAP request fails.	Per Active Charging Service.	Standard
ecs	imap-reply-untag	INT32	Incremental	active	The total number of untagged IMAP replies detected.	Increments whenever an untagged IMAP reply is detected.	Per Active Charging Service.	Standard
ecs	imap-reply-commcont	INT32	Incremental	active	The total number of IMAP Command Cont replies detected.	Increments whenever an IMAP command CONT reply is detected.	Per Active Charging Service.	Standard
ecs	imap-unk-command	INT32	Incremental	active	The total number of unknown IMAP commands detected.	Increments whenever an IMAP unknown command is detected.	Per Active Charging Service.	Standard
ecs	imap-unk-reply	INT32	Incremental	active	The total number of unknown IMAP replies detected.	Increments whenever an IMAP unknown reply is detected.	Per Active Charging Service.	Standard
ecs	acf-req-created	INT64	Incremental	active	Total number of ACF requests created.	Increments whenever a new ACF request is created.	Per Active Charging Service.	Standard
ecs	acf-wr-req-succ	INT64	Incremental	active	Total number of successful ACF WRITE requests.	Increments whenever an ACF write request is successful.	Per Active Charging Service.	Standard
ecs	acf-wr-req-failed	INT64	Incremental	active	Total number of ACF WRITE requests failed.	Increments whenever an ACF write request fails.	Per Active Charging Service.	Standard
ecs	acf-rd-rsp-succ	INT64	Incremental	active	Total number of successful ACF READ responses.	Increments whenever an ACF READ response is received.	Per Active Charging Service.	Standard
ecs	acf-rd-rsp-failed	INT64	Incremental	active	Total number of failed READ responses.	Increments whenever an ACF READ response fails.	Per Active Charging Service.	Standard
ecs	acf-http-permit	INT64	Incremental	active	Total number of HTTP URLs permitted from ACF.	Increments whenever an HTTP URL is permitted from ACF.	Per Active Charging Service.	Standard
ecs	acf-http-deny	INT64	Incremental	active	Total number of HTTP URLs denied from ACF.	Increments whenever an HTTP URL is denied from ACF.	Per Active Charging Service.	Standard
ecs	acf-http-redirect	INT64	Incremental	active	Total number of HTTP URLs redirected from ACF.	Increments whenever an HTTP URL is redirected from ACF.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	acf-wap-permit	INT64	Incremental	active	Total number of WAP URLs permitted from ACF.	Increments whenever a WAP URL is permitted from ACF.	Per Active Charging Service.	Standard
ecs	acf-wap-deny	INT64	Incremental	active	Total number of WAP URLs denied from ACF.	Increments whenever a WAP URL is denied from ACF.	Per Active Charging Service.	Standard
ecs	acf-wap-redirect	INT64	Incremental	active	Total number of WAP URLs redirected from ACF.	Increments whenever a WAP URL is redirected from ACF.	Per Active Charging Service.	Standard
ecs	acf-rtsp-permit	INT64	Incremental	active	Total number of RTSP URLs permitted from ACF.	Increments whenever a RTSP URL is permitted from ACF.	Per Active Charging Service.	Standard
ecs	acf-rtsp-deny	INT64	Incremental	active	Total number of RTSP URLs denied from ACF.	Increments whenever a RTSP URL is denied from ACF.	Per Active Charging Service.	Standard
ecs	acf-rtsp-redirect	INT64	Incremental	active	Total number of RTSP URLs redirected from ACF.	Increments whenever a RTSP URL is redirected from ACF.	Per Active Charging Service.	Standard
ecs	ecs-td-tac-id-lookups	INT64	Incremental	active	Total number of TAC ID lookups.	Increments whenever a new GGSN/PGW call is established.	Per Active Charging Service.	Standard
ecs	ecs-td-tac-id-matches	INT64	Incremental	active	Total number of TAC ID matches.	Increments whenever a TAC ID is successfully matched for a new GGSN/PGW call.	Per Active Charging Service.	Standard
ecs	ecs-td-os-signature-lookups	INT64	Incremental	active	Total number of OS signature lookups.	Increments whenever a TCP SYN packet is received by ECS.	Per Active Charging Service.	Standard
ecs	ecs-td-os-signature-matches	INT64	Incremental	active	Total number of OS signature matches.	Increments whenever an OS signature lookup is successful for a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-v6-os-signature-lookups	INT64	Incremental	active	Total number of IPv6 OS signature Lookups.	Increments whenever an IPv6 OS signature lookup is successful for a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-v6-os-signature-matches	INT64	Incremental	active	Total number of IPv6 OS signature Matches.	Increments whenever an IPv6 OS signature match is successful for a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-ua-signature-lookups	INT64	Incremental	active	Total number of UA signature lookups.	Increaments whenever the first HTTP GET request of a flow is received by ECS.	Per Active Charging Service.	Standard
ecs	ecs-td-ua-signature-matches	INT64	Incremental	active	Total number of UA signature matches.	Increments whenever an UA signature lookup is successful for a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-total-flows-scanned	INT64	Incremental	active	Total number of flows scanned for tethering	Increments whenever a flow is scanned for either IPTTL based or OSUA based tethering	Per Active Charging Service	Standard
ecs	ecs-td-tethered-flows-detected	INT64	Incremental	active	Total number of tethered flows detected.	Increments whenever a flow is found tethered by either IPTTL based or OSUA based tethering.	Per Active Charging Service.	Standard
ecs	ecs-td-total-recovered-flows	INT64	Incremental	active	Total number of recovered tethered flows	Increments whenever a tethered flow is recovered	Per Active Charging Service.	Standard
ecs	ecs-td-non-tethered-flows-detected	INT64	Incremental	active	Total number of non-tethered flows detected.	Increments whenever all OS, UA and IPTTL lookups fail on a flow.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ecs-first-http-request-url-redirections	INT64	Incremental	active	Total number of first HTTP request URL redirection	Increments whenever the redirect URL charging action is applied for the first time to the HTTP GET request for a subscriber call	Per Active Charging Service	Standard
ecs	ecs-td-current-tethered-subscribers	INT32	Incremental	active	The total number of times a tethering capable subscriber was detected	Increments whenever a tethering capable subscriber is detected	Per Active Charging Service	Standard
ecs	ecs-td-ipttl-tethered-downlink-packets	INT64	Incremental	active	Total number of downlink packets of tethered flows detected by IP TTL based tethering detection	Increments for all downlink packets of tethered flow detected by IP TTL method	Per Active Charging Service	Standard
ecs	ecs-td-ipttl-tethered-uplink-packets	INT64	Incremental	active	Total number of uplink packets of tethered flows detected by IP TTL based tethering detection	Increments for all uplink packets of tethered flow detected by IP TTL method	Per Active Charging Service	Standard
ecs	ecs-td-tethered-downlink-packets	INT64	Incremental	active	Total number of downlink packets for tethered flows	Increments whenever a downlink packet is received for a tethered flow	Per Active Charging Service	Standard
ecs	ecs-td-tethered-uplink-packets	INT64	Incremental	active	Total number of uplink packets for tethered flows	Increments whenever an uplink packet is received for a tethered flow	Per Active Charging Service	Standard
ecs	ecs-td-osua-total-flows-scanned	INT64	Incremental	active	Total number of OS UA flows scanned.	Increments whenever an OS or UA signature lookup is performed on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-osua-tethered-flows-detected	INT64	Incremental	active	Total number of flows detected.	Increments whenever an OS or UA signature lookup is successful on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-osua-non-tethered-flows-detected	INT64	Incremental	active	Total number of non-tethered flows detected.	Increments whenever an OS or UA signature lookup fails on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-ipttl-total-flows-scanned	INT64	Incremental	active	Total number of IP TTL flows scanned.	Increments whenever an IP TTL lookup is performed on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-ipttl-tethered-flows-detected	INT64	Incremental	active	Total number of IP TTL flows scanned.	Increments whenever an IP TTL lookup is successful on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-ipttl-non-tethered-flows-detected	INT64	Incremental	active	Total number of non IP TTL flows scanned.	Increments whenever an IP TTL lookup is fails on a flow.	Per Active Charging Service.	Standard
ecs	ecs-td-tether-to-tether-signature-change-in-flow	INT32	Incremental	active	Total number of signature change from tethered to tethered	Increments when v4/v6 tethering signature/TTL changes from tethered to tethered for configured number of TCP SYN packets	Per Active Charging Service.	Standard
ecs	ecs-td-tether-to-non-tether-signature-change-in-flow	INT32	Incremental	active	Total number of signature change from tethered to non-tethered	Increments when v4/v6 tethering signature/TTL changes from tethered to non-tethered for configured number of TCP SYN packets	Per Active Charging Service.	Standard
ecs	ecs-td-non-tether-to-tether-signature-change-in-flow	INT32	Incremental	active	Total number of signature change from non-tethered to tethered	Increments when v4/v6 tethering signature / TTL changes from non-tethered to tethered for configured number of TCP SYN packets	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ecs-td-non-tether-to-non-tether-signature-change-in-flow	INT32	Incremental	active	Total number of signature change from non-tethered to non-tethered	Increments when v4/v6 tethering signature / TTL changes from non-tethered to non-tethered for configured number of TCP SYN packets	Per Active Charging Service.	Standard
ecs	video-opt-total-transrated	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-gzipped	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-mp4	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-flv	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-transrated-sh263	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-transrated-h264	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-failed-sh263	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-failed-h264	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-failed-vcodec	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-input-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-input-bytes-sh263	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-input-bytes-h264	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-input-bytes-gzip	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-output-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-output-bytes-sh263	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-output-bytes-h264	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-total-output-bytes-gzip	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-input-bitrate	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-input-bitrate-sh263	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-input-bitrate-h264	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-output-bitrate	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-output-bitrate-sh263	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-output-bitrate-h264	INT64	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-rate-reduction	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-rate-reduction-sh263	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	video-opt-avg-rate-reduction-h264	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
ecs	trm-rule-match-bypassed	INT64	Incremental	active	Total number of times rule matching was bypassed.	Increments whenever a rule match is requested on an existing flow with cached rule matching information available.	Per Active Charging Service.	Standard
ecs	trm-rule-match-bypass-triggered	INT64	Incremental	active	Total number of times rule matching information is cached so subsequent rule matching requests can be bypassed. HTTP transactions can cause this to increment by 2 (once for eachHTTP request/transaction and at least once for the base data session that handles packets outside an open HTTP transaction such as 0 length ACKS after the HTTP transaction ends).	Increments any time a rule match is completed. Subsequent rule matching can be bypassed.	Per Active Charging Service.	Standard
ecs	fp-eligible-flows	INT64	Incremental	active	The number of data flows supporting fastpath .	Increments when a data flow passes fastpath eligibility requirements.	Per Active Charging Service.	Standard
ecs	fp-packets	INT64	Incremental	active	The number of data packets that were processed in fastpath.	Increments when a data packet hits a fastpath eligible flow and passes fastpath packet eligibility requirements.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	fp-failures	INT64	Incremental	active	The number of data packets which encountered an error during fastpath processing.	Increments when a parsing or unexpected error is encountered during fastpath processing.	Per Active Charging Service.	Standard
ecs	dyn_rule_install_received	INT32	Incremental	active	Number of dynamic rules received for installation	Not Defined	Nothing	Standard
ecs	dyn_rule_install_succeeded	INT32	Incremental	active	Number of dynamic rules succeeded during installation	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_failed	INT32	Incremental	active	Number of dynamic rules installation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_unknown_rule_name	INT32	Incremental	active	Number of dynamic rule installation failed because the rule name was not specified	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_rating_group_error	INT32	Incremental	active	Number of dynamic rule installation failed because rating group was invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_service_id_error	INT32	Incremental	active	Number of dynamic rule installation failed because the service ID was invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_trigger_policy_failure	INT32	Incremental	active	Number of dynamic rule installation failed because of policy failure internally	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_resources_limitation	INT32	Incremental	active	Number of dynamic rule installation failed because of the limitation of resources	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_max_no_of_bearer_reached	INT32	Incremental	active	Number of dynamic rule installation failed because the max limit of bearers reached	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_missing_flow_info	INT32	Incremental	active	Number of dynamic rule installation failed because the flow information is missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_resource_allocation_failure	INT32	Incremental	active	Number of dynamic rule installation failed because the resource allocation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_unsuccessful_qos_validation	INT32	Incremental	active	Number of dynamic rule installation failed because the Qos validation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_incorrect_flow_info	INT32	Incremental	active	Number of dynamic rule installation failed because the Qos validation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_unknown_bearer_id	INT32	Incremental	active	Number of dynamic rule installation failed because Unknown Bearer id	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_redirect_server_add_missing	INT32	Incremental	active	Number of dynamic rule installation failed because the Qos validation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_install_fail_tdf_app_id_error	INT32	Incremental	active	Number of dynamic rule installation failed because the TDF app id is invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_received	INT32	Incremental	active	Number of dynamic rule installation failed because the TDF app id is invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_succeeded	INT32	Incremental	active	Number of dynamic rule modification succeeded	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_failed	INT32	Incremental	active	Number of dynamic rule modification failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_rating_group_error	INT32	Incremental	active	Number of dynamic rule modification failed because the rating group is invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_service_id_error	INT32	Incremental	active	Number of dynamic rule modification failed because the service ID is invalid/missing	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_trigger_policy_failure	INT32	Incremental	active	Number of dynamic rule modification failed because of the policy failure internally	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_resources_limitation	INT32	Incremental	active	Number of dynamic rule modification failed because of the limitation of resources	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_max_no_of_bearer_reached	INT32	Incremental	active	Number of dynamic rule modification failed because the max limit of bearers reached	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_resource_allocation_failure	INT32	Incremental	active	Number of dynamic rule modification failed because of allocation of resources failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_unsuccessful_qos_validation	INT32	Incremental	active	Number of dynamic rule modification failed because the Qos validation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_incorrect_flow_info	INT32	Incremental	active	Number of dynamic rule modification failed because the flow information is incorrect	Not Defined	Not Defined	Standard
ecs	dyn_rule_modify_fail_redirect_server_add_missing	INT32	Incremental	active	Number of dynamic rule modification failed because the redirect address is missing in an ADC rule	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	dyn_rule_modify_fail_tdf_app_id_error	INT32	Incremental	active	Number of dynamic rule modification failed because the TDF app ID is invalid/missing in an ADC rule	Not Defined	Not Defined	Standard
ecs	dyn_rule_common_rcvd	INT32	Incremental	active	Number of dynamic rule received in installation/modification	Not Defined	Not Defined	Standard
ecs	dyn_rule_common_fail	INT32	Incremental	active	Number of dynamic rule failed in installation/modification	Not Defined	Not Defined	Standard
ecs	dyn_rule_common_fail_unknown_bearer_id	INT32	Incremental	active	Number of dynamic rule failed during installation/modification because the bearer ID is not known	Not Defined	Not Defined	Standard
ecs	dyn_rule_common_fail_resource_allocation_fail	INT32	Incremental	active	Number of dynamic rule failed during installation/modification because the resource allocation failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_recovery_failure	INT32	Incremental	active	Number of sessions that had dynamic rule recovery failure after switchover	Not Defined	Not Defined	Standard
ecs	dyn_rule_recovery_num_sess_not_terminated	INT32	Incremental	active	Number of sessions not terminated after switchover because dynamic rules were not installed on default bearer	Not Defined	Not Defined	Standard
ecs	dyn_rule_intended_fail	INT32	Incremental	active	Number of dynamic rule intentionally failed due to some internal event	Not Defined	Not Defined	Standard
ecs	dyn_rule_intended_fail_ps_to_cs_handover	INT32	Incremental	active	Number of dynamic rule intentionally failed due to ps to cs handover	Not Defined	Not Defined	Standard
ecs	dyn_rule_intended_fail_resource_allocation_failure	INT32	Incremental	active	Number of dynamic rule intentionally failed due to some internal event	Not Defined	Not Defined	Standard
ecs	total-one-time-hit-pcc-rule-matched	INT32	Incremental	active	Number of one time hit PCC rule matched	Not Defined	Not Defined	Standard
ecs	dyn_rule_remove_received	INT32	Incremental	active	Number of dynamic rule removal received	Not Defined	Not Defined	Standard
ecs	dyn_rule_remove_succeeded	INT32	Incremental	active	Number of dynamic rule removal successful	Not Defined	Not Defined	Standard
ecs	dyn_rule_remove_failed	INT32	Incremental	active	Number of dynamic rule removal failed	Not Defined	Not Defined	Standard
ecs	dyn_rule_remove_fail_unknown_rule_name	INT32	Incremental	active	Number of dynamic rule removal failed because the rule name does not exist	Not Defined	Not Defined	Standard
ecs	dyn_rule_remove_fail_bcm_mode_mismatch	INT32	Incremental	active	Number of dynamic rule removal failed because the BCM mode has changed	Not Defined	Not Defined	Standard
ecs	servschm-predef-rule-install-received	INT32	Incremental	active	Number of predefined rules received for installation from Service Scheme	Not Defined	Nothing	Standard
ecs	servschm-predef-rule-install-succeeded	INT32	Incremental	active	Number of predefined rules succeeded during installation from Service Scheme	Not Defined	Not Defined	Standard
ecs	servschm-predef-rule-install-failed	INT32	Incremental	active	Number of predefined rules installation failed from Service Scheme	Not Defined	Not Defined	Standard
ecs	servschm-predef-rule-remove-received	INT32	Incremental	active	Number of predefined rule removal received from Service Scheme	Not Defined	Not Defined	Standard
ecs	servschm-predef-rule-remove-succeeded	INT32	Incremental	active	Number of predefined rule removal successful from Service Scheme	Not Defined	Not Defined	Standard
ecs	servschm-predef-rule-remove-failed	INT32	Incremental	active	Number of predefined rule removal failed from Service Scheme	Not Defined	Not Defined	Standard
ecs	tcpprxy-usrtotsocksopn	INT64	Incremental	active	Total number of open sockets on user-side stack.	Increments whenever a new socket is opened successfully on user-side stack instance as a part of TCP Proxy.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettotsocksopn	INT64	Incremental	active	Total number of sockets opened on Internet-side stack.	Increments whenever a new socket is opened successfully on Internet-side stack instance as a part of TCP Proxy.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockopnfail	INT64	Incremental	active	Total number of socket open failures on user-side stack.	Increments whenever a socket open fails on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockopnfail	INT64	Incremental	active	Total number of socket open failures on Internet-side stack.	Increments whenever a socket open fails on Internet-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-usrtotconnattmpt	INT64	Incremental	active	Total number of connect attempts on user-side stack.	Increments whenever a connection attempt is made from the socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettotconnattmpt	INT64	Incremental	active	Total number of connect attempts on Internet-side stack.	Increments whenever a connection attempt is made from the socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usraccsucc	INT64	Incremental	active	Total number of successful accepts on user-side stack.	Increments whenever a connection is successfully accepted on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetaccsucc	INT64	Incremental	active	Total number of successful accepts on Internet-side stack.	Increments whenever a connection is successfully accepted on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usraccfail	INT64	Incremental	active	Total number of failed accepts on user-side stack.	Increments whenever a connection accept request fails on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetaccfail	INT64	Incremental	active	Total number of failed accepts on Internet-side stack.	Increments whenever a connection accept request fails on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrcuropnsocks	INT32	Gauge	active	Number of sockets currently open on user-side stack.	Increments whenever a socket is opened successfully on user-side stack instance. Decrements whenever a socket is closed on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetcuropnsocks	INT32	Gauge	active	Number of sockets currently open on Internet-side stack.	Increments whenever a socket is opened successfully on Internet-side stack instance. Decrements whenever a socket is closed on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrcuralloctcpvect	INT32	Gauge	active	Number of TCP vectors currently allocated on user-side stack.	Increments whenever a TCP vector is allocated on user-side stack instance. Decrements whenever a TCP vector is freed on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetcuralloctcpvect	INT32	Gauge	active	Number of TCP vectors currently allocated in Internet-side stack.	Increments whenever a TCP vector is allocated on Internet-side stack instance. Decrements whenever a TCP vector is freed on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usriptotpktsrcvd	INT64	Incremental	active	Total number of IP packets received on user-side stack.	Increments whenever an IP packet is received at user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetiptotpktsrcvd	INT64	Incremental	active	Total number of IP packets received on Internet-side stack.	Increments whenever an IP packet is received at Internet-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-usriphdrerr	INT64	Incremental	active	Total number of IP packets received on user-side stack with errors in IP header.	Increments whenever an IP packet is received at user-side stack instance with error in IP header.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetiphdrerr	INT64	Incremental	active	Total number of IP packets received on Internet-side stack with errors in IP header.	Increments whenever an IP packet is received at Internet-side stack instance with error in IP header.	Per Active Charging Service.	Standard
ecs	tcpprxy-usripunknownproto	INT64	Incremental	active	Total number of IP packets received on user-side stack with unknown protocol in IP header.	Increments whenever an IP packet is received at user-side stack instance with unknown protocol in IP header.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetipunknownproto	INT64	Incremental	active	Total number of IP packets received at Internet-side stack with unknown protocol in IP header.	Increments whenever an IP packet is received at Internet-side stack instance with unknown protocol in IP header.	Per Active Charging Service.	Standard
ecs	tcpprxy-usripincomdiscpkts	INT64	Incremental	active	Total number of discarded incoming packets on user-side stack.	Increments whenever an incoming IP packet is discarded at user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetipincomdiscpkts	INT64	Incremental	active	Total number of discarded incoming packets on Internet-side stack.	Increments whenever an incoming IP packet is discarded at Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpincomseg	INT64	Incremental	active	Total number of incoming TCP segments on user-side stack.	Increments whenever an incoming TCP segment is discarded at user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpincomseg	INT64	Incremental	active	Total number of incoming TCP segments on Internet-side stack.	Increments whenever an incoming TCP segment is discarded at Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpincomerrseg	INT64	Incremental	active	Total number of incoming TCP segments with error received on user-side stack.	Increments whenever an incoming TCP segment with error is received on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpincomerrseg	INT64	Incremental	active	Total number of incoming TCP segments with error received on Internet-side stack.	Increments whenever an incoming TCP segment with error is received on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpincomretransseg	INT64	Incremental	active	Total number of incoming retransmitted TCP segments received on user-side stack.	Increments whenever a retransmitted TCP segment is received on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpincomretransseg	INT64	Incremental	active	Total number of incoming retransmitted TCP segments received on Internet-side stack.	Increments whenever a retransmitted TCP segment is received on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpoutgodataseg	INT64	Incremental	active	Total number of outgoing TCP data segments sent out from user-side stack.	Increments whenever a TCP data segment is sent out from user-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-inettcpoutgodataseg	INT64	Incremental	active	Total number of outgoing TCP data segments sent out from Internet-side stack.	Increments whenever a TCP data segment is sent out from Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpoutgorstseg	INT64	Incremental	active	Total number of outgoing TCP RESET segments sent out from user-side stack.	Increments whenever a TCP RESET segment is sent out from user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpoutgorstseg	INT64	Incremental	active	Total number of outgoing TCP RESET segments sent out from Internet-side stack.	Increments whenever a TCP RESET segment is sent out from Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpoutgoretransseg	INT64	Incremental	active	Total number of outgoing TCP retransmitted segments from user-side stack.	Increments whenever a TCP segment is retransmitted from user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpoutgoretransseg	INT64	Incremental	active	Total number of outgoing TCP retransmitted segments from Internet-side stack.	Increments whenever a TCP segment is retransmitted from Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpconnfail	INT64	Incremental	active	Total number of connections failed on user-side stack.	Increments whenever a connection failure occurs on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpconnfail	INT64	Incremental	active	Total number of connections failed on Internet-side stack.	Increments whenever a connection failure occurs on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcprstineststate	INT64	Incremental	active	Total number of TCP reset segments received in established state on user-side stack.	Increments whenever a RESET segment is received in ESTABLISHED state on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcprstineststate	INT64	Incremental	active	Total number of TCP reset segments received in established state on Internet-side stack.	Increments whenever a RESET segment is received in ESTABLISHED state on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrtcpcurestconn	INT64	Gauge	active	Number of connections currently established on user-side stack.	Increments whenever a connection is established on user-side stack instance. Decrements whenever a connection terminates on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inettcpcurestconn	INT64	Gauge	active	Number of connections currently established on Internet-side stack.	Increments whenever a connection is established on Internet-side stack instance. Decrements whenever a connection terminates on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-totprxyflows	INT64	Incremental	active	Total number of TCP proxy flows.	Increments whenever a flow is proxied successfully.	Per Active Charging Service.	Standard
ecs	tcpprxy-currprxyflows	INT64	Gauge	active	Number of current TCP proxy flows.	Increments whenever a flow is proxied successfully. Decrements whenever a proxy flow is cleared.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-curactopnonusr	INT64	Gauge	active	Number of active connections currently open on user-side stack.	Increments whenever a connection is actively opened from user-side stack instance. Decrements whenever an actively opened connection on user-side stack instance terminates.	Per Active Charging Service.	Standard
ecs	tcpprxy-curactopnoninet	INT64	Gauge	active	Number of active connections currently open on Internet-side stack.	Increments whenever a connection is actively opened from Internet-side stack instance. Decrements whenever an actively opened connection on Internet-side stack instance terminates.	Per Active Charging Service.	Standard
ecs	tcpprxy-curpassopnonusr	INT64	Gauge	active	Number of passive connections currently open on user-side stack.	Increments whenever a connection is passively opened from user-side stack instance. Decrements whenever a passively opened connection on user-side stack instance terminates.	Per Active Charging Service.	Standard
ecs	tcpprxy-curpassopnoninet	INT64	Gauge	active	Number of passive connections currently open on Internet-side stack.	Increments whenever a connection is passively opened from Internet-side stack instance. Decrements whenever a passively opened connection on Internet-side stack instance terminates.	Per Active Charging Service.	Standard
ecs	tcpprxy-curestonboth	INT64	Gauge	active	Number of connections currently established on both user and Internet-side stack.	Increments whenever a connection is established on either side (User and Internet). Decrements whenever a connection terminates.	Per Active Charging Service.	Standard
ecs	tcpprxy-totpassopnsuccusr	INT64	Incremental	active	Total number of successful passive connections opened on user-side stack.	Increments whenever a connection is passively opened from user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-totactopnsuccusr	INT64	Incremental	active	Total number of successful active connections opened on user-side stack.	Increments whenever a connection is actively opened from user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-totpassopnsuccinet	INT64	Incremental	active	Total number of successful passive open connections on Internet-side stack.	Increments whenever a connection is passively opened from Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-totactopnsuccinet	INT64	Incremental	active	Total number of successful active open connections on Internet-side stack.	Increments whenever a connection is actively opened from Internet-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-flowlimit	INT64	Incremental	active	Total number of proxy connections with limit reached.	Increments whenever a connection is not proxied due to maximum number of flows limit.	Per Active Charging Service.	Standard
ecs	tcpprxy-backloglimit	INT64	Incremental	active	Total number of connections with proxy backlog limit reached.	Increments whenever a connection is not proxied due to backlog limit.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsocklimit	INT64	Incremental	active	Total number of connections with user-side sockets limit reached.	Increments whenever a connection is not proxied due to user level socket limit on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsocklimit	INT64	Incremental	active	Total number of connections with Internet-side sockets limit reached.	Increments whenever a connection is not proxied due to user level socket limit on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-memthresholdlimit	INT32	Incremental	active	Total number of connections with memory threshold limit reached.	Increments whenever a connection is not proxied due to memory threshold limit.	Per Active Charging Service.	Standard
ecs	tcpprxy-incompactopn	INT64	Incremental	active	Total number of incomplete active connections.	Increments whenever a connection is actively opened but is incomplete.	Per Active Charging Service.	Standard
ecs	tcpprxy-incompassopn	INT64	Incremental	active	Total number of incomplete passive connections.	Increments whenever a connection is passively opened but is incomplete.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsocknoerr	INT32	Incremental	active	Total number of socket errorsno socket errors on user-side stack.	Increments whenever there is no socket error from user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsocknopermissn	INT32	Incremental	active	Total number of socket errorsno permission to open socket on user-side stack.	Increments whenever there is no permission to open the socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsocknomem	INT32	Incremental	active	Total number of socket errorsno memory to open socket on user-side stack.	Increments whenever there is no memory to open the socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsocktoomanysocks	INT32	Incremental	active	Total number of socket errorstoo many sockets on user-side stack.	Increments whenever there are too many sockets on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockothers	INT32	Incremental	active	Total number of socket errorsother errors.	Increments whenever an error occurs on user-side stack instance socket on unspecified category.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsocknoerr	INT32	Incremental	active	Total number of socket errorsno errors on Internet-side stack.	Increments whenever there is no socket error from Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsocknopermissn	INT32	Incremental	active	Total number of socket errorsno permission to open socket on Internet-side stack.	Increments whenever there is no permission to open the socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsocknomem	INT32	Incremental	active	Total number of socket errorsno memory to open socket on Internet-side stack.	Increments whenever there is no memory to open the socket on Internet-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-inetsocktoomanysock	INT32	Incremental	active	Total number of socket errorstoo many sockets on Internet-side stack.	Increments whenever there are too many sockets on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockothers	INT32	Incremental	active	Total number of socket errorsother errors on Internet-side stack.	Increments whenever an error occurs on Internet-side stack instance socket on unspecified category.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerropwouldblk	INT32	Incremental	active	Total number of socket errors on user-side stackoperations would block.	Increments whenever an error occurs at user-level socket from user-side stack instance that will block operation.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerropwouldblk	INT32	Incremental	active	Total number of socket errors on Internet-side stackoperations would block.	Increments whenever an error occurs at user-level socket from Internet-side stack instance that will block operation.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerropinprog	INT32	Incremental	active	Total number of socket errors on user-side stackoperations in progress.	Increments whenever an error occurs at user-level socket from user-side stack instance but operation is in progress.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerropinprog	INT32	Incremental	active	Total number of socket errors on Internet-side stackoperations in progress.	Increments whenever an error occurs at user-level socket from Internet-side stack instance but operation is in progress.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrconnrstbypeer	INT32	Incremental	active	Total number of socket errors on user-side stackconnections reset by peer.	Increments whenever a connection on user-side stack instance is reset by peer.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerrconnrstbypeer	INT32	Incremental	active	Total number of socket errors on Internet-side stackconnection reset by peer.	Increments whenever a connection on Internet-side stack instance is reset by peer.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrsendaftershtdwn	INT32	Incremental	active	Total number of socket errors on user-side stacksend after shutdown.	Increments whenever a send is called from user-side stack instance after shutdown.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerrsendaftershtdwn	INT32	Incremental	active	Total number of socket errors on Internet-side stacksend after shutdown.	Increments whenever a send is called from Internet-side stack instance after shutdown.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerroptmout	INT32	Incremental	active	Total number of socket errors on user-side stackoperation timed out.	Increments whenever an operation timeout error occurs on socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerroptmout	INT32	Incremental	active	Total number of socket errors on Internet-side stackoperation timed out.	Increments whenever an operation timeout error occurs on socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrconnabort	INT32	Incremental	active	Total number of socket errors on user-side stackconnection aborted.	Increments whenever a 'Connection Aborted' error occurs on socket on user-side stack instance.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-inetsockerrconnabort	INT32	Incremental	active	Total number of socket errors on Internet-side stackconnection aborted.	Increments whenever a 'Connection Aborted' error occurs on socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrconnref	INT32	Incremental	active	Total number of socket errors on user-side stackoperation refused.	Increments whenever a 'Connection Refused' error occurs on socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerrconnref	INT32	Incremental	active	Total number of socket errors on Internet-side stackoperation refused.	Increments whenever a 'Connection Refused' error occurs on socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrtoomanysocks	INT32	Incremental	active	Total number of socket errors on user-side stacktoo many sockets.	Increments whenever a Too Many Sockets error occurs on socket on user-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerrtoomanysocks	INT32	Incremental	active	Total number of socket errors on Internet-side stacktoo many sockets.	Increments whenever a 'Too Many Sockets' error occurs on socket on Internet-side stack instance.	Per Active Charging Service.	Standard
ecs	tcpprxy-usrsockerrothers	INT32	Incremental	active	Total number of socket errors on user-side stackother errors.	Increments whenever an error of some unspecified category occurs on socket on user-side stack.	Per Active Charging Service.	Standard
ecs	tcpprxy-inetsockerrothers	INT32	Incremental	active	Total number of socket errors on Internet-side stackother errors.	Increments whenever an error of some unspecified category occurs on socket on Internet-side stack.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigflowsinit	INT64	Incremental	active	Socket Migration: Total number of flows initiated.	Increments whenever a socket migration is initiated for a flow.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigflowsmigattmpts	INT64	Incremental	active	Socket Migration: Total number of flow migration attempted.	Increments whenever a socket migration is attempted for a flow.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigflowssucc	INT64	Incremental	active	Socket Migration: Total number of flow migration successful.	Increments whenever a socket migration is successful for a flow.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigmemallocfail	INT64	Incremental	active	Socket Migration: Total number of memory allocation failures.	Increments whenever a socket migration fails for a flow.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigpermissndenied	INT64	Incremental	active	Socket Migration: Permission denied to migrate sockets.	Increments whenever permission for socket migration is denied.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigpossibtcpstatechng	INT64	Incremental	active	Socket Migration: Number of possible TCP state change.	Increments whenever a TCP state change may occur when socket migration is in progress.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigpkttrimfail	INT64	Incremental	active	Socket Migration: Packet trimming failed.	Increments whenever a packet trimming fails when socket migration is in progress.	Per Active Charging Service.	Standard
ecs	tcpprxy-sockmigothers	INT64	Incremental	active	Socket Migration: Others.	Increments whenever a some unspecified error occurs during socket migration.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcpprxy-facacsmemlimit	INT64	Incremental	active	Total number of flows not proxied due to memory limit getting exhausted.	Increments whenever a flow is not proxied due to memory limit getting exhausted.	Per Active Charging Service.	Standard
ecs	tcpprxy-facprxymemlimit	INT64	Incremental	active	Total number of flows not proxied due to memory share for proxy getting exhausted.	Increments whenever a flow is not proxied due to memory share for proxy getting exhausted.	Per Active Charging Service.	Standard
ecs	tcpprxy-facflowspersublimit	INT64	Incremental	active	Total number of flows not proxied due to maximum limit for proxied flows per subscriber getting exhausted.	Increments whenever a flow is not proxied due to maximum limit for proxied flows per subscriber getting exhausted.	Per Active Charging Service.	Standard
ecs	tcpprxy-factotprxyflowlimit	INT64	Incremental	active	Total number of flows not proxied due to maximum limit for proxied flows getting exhausted.	Increments whenever a flow is not proxied due to maximum limit for proxied flows getting exhausted.	Per Active Charging Service.	Standard
ecs	url-flow-readdress-success	INT64	Incremental	active	Total number of successful URL re-addressed flows.	Not Defined	Per Active Charging Service.	Standard
ecs	url-flow-readdress-failure	INT64	Incremental	active	Total number of URL re-addressed flow failures.	Not Defined	Per Active Charging Service.	Standard
ecs	video-readdress-req-redirected	INT64	Incremental	active	The total number of request readdressing done.	Increments whenever HTTP request is readdressed video server (CAE).	Per Active Charging Service.	Standard
ecs	video-readdress-res-redirected	INT64	Incremental	active	The total number of response readdressing done.	Increments whenever readdressing takes place based on HTTP Response matching the rule.	Per Active Charging Service.	Standard
ecs	video-readdress-req-with-xheader-inserted	INT64	Incremental	active	The total number of HTTP requests with x-headers inserted.	Increments whenever MVG specific x-headers are inserted into a HTTP Request before it is readdressed to the video server (CAE).	Per Active Charging Service.	Standard
ecs	video-readdress-upl-bytes-redirected	INT64	Incremental	active	The total number of uplink bytes readdressed.	Increments for each uplink byte that is forwarded to video server (CAE) (from mobile device to internet).	Per Active Charging Service.	Standard
ecs	video-readdress-upl-pkts-redirected	INT64	Incremental	active	The total number of uplink packets redirected.	Increments for each uplink packet that is forwarded to video server (CAE) (from mobile device to internet).	Per Active Charging Service.	Standard
ecs	video-readdress-dnl-bytes-redirected	INT64	Incremental	active	The total number of downlink bytes redirected.	Increments for each downlink byte after readdressing is done (from video server (CAE) to mobile device).	Per Active Charging Service.	Standard
ecs	video-readdress-dnl-pkts-redirected	INT64	Incremental	active	The total number of downlink packets redirected.	Increments for each downlink packet after readdressing is done (from video server (CAE) to mobile device).	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	video-readdress-req-charging-action-hit	INT64	Incremental	active	The total number of charging action hits based on HTTP Request.	Increments each time a HTTP Request rule match occurs and charging action is hit, resulting in readdressing to video server.	Per Active Charging Service.	Standard
ecs	video-readdress-resp-charging-action-hit	INT64	Incremental	active	The total number of charging action hits based on HTTP Response.	Increments each time a HTTP Response rule match occurs and charging action is hit, resulting in readdressing to video server.	Per Active Charging Service.	Standard
ecs	video-readdress-skipped-pipelined-reqs	INT64	Incremental	active	The total number of pipelined requests skipped from readdressing.	Increments each time a pipelined HTTP request is detected and readdressing is skipped. In certain conditions, for pipelined requests, readdressing may be skipped and sent to the Origin Server. This counter increments during such occurrences.	Per Active Charging Service.	Standard
ecs	video-readdress-connect-failed-to-video-server	INT64	Incremental	active	The total number of video server (CAE) connection setup failures.	Increments whenever a connection setup with video server (CAE) fails. In such cases, readdressing will not take place.	Per Active Charging Service.	Standard
ecs	video-readdress-load-balancer-failures	INT64	Incremental	active	The total number of load balancer failures to find the video server (CAE) for readdressing.	Increments whenever the internal loadbalancer in MVG/ASR5K fails to find a video server (CAE) to which the HTTP video request can be readdressed. In such cases, readdressing will not take place and HTTP requests will be sent directly to the Origin Server.	Per Active Charging Service.	Standard
ecs	video-readdress-flows-connected-to-video-server	INT64	Incremental	active	The total number of flows connected to video server (CAE) for readdressing.	Increments each time a connection is established with a video server (CAE) and HTTP request is sent to it. The flow will remain connected to CAE till its end and will not be reconnected to Origin Server.	Per Active Charging Service.	Standard
ecs	video-readdress-xhdr-insert-failed	INT64	Incremental	active	The total number of x-header insertion failures.	Increments whenever MVG fails to insert x-headers into HTTP requests, due to internal errors.	Per Active Charging Service.	Standard
ecs	strip-url-token-success	INT64	Incremental	active	Total number of URL tokens stripped successfully.	Not Defined	Per Active Charging Service.	Standard
ecs	p2p-flows	INT32	Incremental	active	The total number of P2P flows detected until a given time.	Increments when a flow is marked as P2P.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	p2p-flows-cur	INT32	Incremental	active	The number of currently active P2P flows at a given instance in time.	Increments when a flow is marked as P2P. Decrements when the flow state is cleaned up.	Per Active Charging Service.	Standard
ecs	p2p-subscribers	INT32	Incremental	active	The total number of P2P subscribers detected until a given time.	Increments when whenever the first P2P flow for a subscriber is detected. Does not increment for subsequent P2P flows in the same session. If the subscriber logs off and then returns, and has a P2P flow, this counter increments again.	Per Active Charging Service.	Standard
ecs	p2p-subscribers-cur	INT32	Gauge	active	The number of active P2P subscribers at a given instance in time.	Increments whenever, in the sampling time period, the first P2P flow for a subscriber is detected. Decrements whenever, in the sampling time period, all P2P flows for a P2P-marked subscriber ends.	Per Active Charging Service.	Standard
ecs	dns-flows	INT32	Incremental	active	The combined total of the number of DNS flows previously analyzed + DNS flows currently being analyzed.	Increments whenever a new DNS flow is created.	Per Active Charging Service.	Standard
ecs	dns-flows-cur	INT32	Gauge	active	The number of DNS flows currently being analyzed.	Increments whenever a new DNS flow is created. Decrements whenever a DNS flow ends.	Per Active Charging Service.	Standard
ecs	dns-uplk-bytes	INT64	Incremental	active	The total number of DNS bytes received from MS.	Increments whenever a new DNS packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	dns-dwnlk-bytes	INT64	Incremental	active	The total number of DNS bytes sent to MS.	Increments whenever a new DNS packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	dns-uplk-pkts	INT64	Incremental	active	The total number of DNS packets received from MS.	Increments whenever a new DNS packet is detected in uplink direction.	Per Active Charging Service.	Standard
ecs	dns-dwnlk-pkts	INT64	Incremental	active	The total number of DNS packets sent to MS.	Increments whenever a new DNS packet is detected in downlink direction.	Per Active Charging Service.	Standard
ecs	dns-unk-opcode	INT32	Incremental	active	The total number of DNS packets with an unknown operational code.	Increments whenever a DNS packet with unknown operation code is received.	Per Active Charging Service.	Standard
ecs	dns-inv-pkts	INT32	Incremental	active	The total number of invalid DNS packets detected.	Increments whenever an invalid DNS packet is detected.	Per Active Charging Service.	Standard
ecs	dns-over-tcp-uplk-bytes	INT64	Incremental	active	The total number of DNS uplink bytes that were detected over TCP.	Increments whenever a new DNS uplink packet arrives over TCP.	Per Active Charging Service.	Standard
ecs	dns-over-tcp-dwnlk-bytes	INT64	Incremental	active	The total number of DNS downlink bytes that were detected over TCP.	Increments whenever a new DNS downlink packet arrives over TCP.	Per Active Charging Service.	Standard
ecs	dns-over-tcp-uplk-pkts	INT64	Incremental	active	The total number of DNS uplink packets that were detected over TCP.	Increments whenever a new DNS uplink packet arrives over TCP.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	dns-over-tcp-dwnlk-pkts	INT64	Incremental	active	The total number of DNS downlink packets that were detected over TCP.	Increments whenever a new DNS downlink packet arrives over TCP.	Per Active Charging Service.	Standard
ecs	dns-req-a-query	INT64	Incremental	active	The total number of DNS requests received for queries.	Increments whenever a DNS packet is received for queries.	Per Active Charging Service.	Standard
ecs	dns-req-cname-query	INT64	Incremental	active	The total number of DNS requests received for cname queries.	Increments whenever a DNS packet is received for cname queries.	Per Active Charging Service.	Standard
ecs	dns-req-ns-query	INT64	Incremental	active	The total number of DNS requests received for ns queries.	Increments whenever a DNS packet is received for ns queries.	Per Active Charging Service.	Standard
ecs	dns-req-ptr-query	INT64	Incremental	active	The total number of DNS requests received for ptr queries.	Increments whenever a DNS packet is received for ptr queries.	Per Active Charging Service.	Standard
ecs	dns-req-aaaa-query	INT64	Incremental	active	The total number of DNS requests received for AAAA queries.	Increments whenever a DNS packet is received for AAAA queries.	Per Active Charging Service.	Standard
ecs	dns-req-unknown-query	INT64	Incremental	active	The total number of DNS requests received for unknown queries.	Increments whenever a DNS packet is received for unknown queries.	Per Active Charging Service.	Standard
ecs	dns-req-txt-query	INT64	Incremental	active	The total number of DNS requests received for TXT queries.	Increments whenever a DNS packet is received for TXT queries.	Per Active Charging Service.	Standard
ecs	dns-req-null-query	INT64	Incremental	active	The total number of DNS requests received for NULL queries.	Increments whenever a DNS packet is received for NULL queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-a-query	INT64	Incremental	active	The total number of DNS responses received for queries.	Increments whenever a DNS response packet is received for queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-cname-query	INT64	Incremental	active	The total number of DNS responses received for cname queries.	Increments whenever a DNS response packet is received for cname queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-ns-query	INT64	Incremental	active	The total number of DNS responses received for ns queries.	Increments whenever a DNS response packet is received for ns queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-ptr-query	INT64	Incremental	active	The total number of DNS responses received for ptr queries.	Increments whenever a DNS response packet is received for ptr queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-aaaa-query	INT64	Incremental	active	The total number of DNS responses received for AAAA queries.	Increments whenever a DNS response packet is received for AAAA queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-txt-query	INT64	Incremental	active	The total number of DNS requests received for TXT queries.	Increments whenever a DNS packet is received for TXT queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-null-query	INT64	Incremental	active	The total number of DNS requests received for NULL queries.	Increments whenever a DNS packet is received for NULL queries.	Per Active Charging Service.	Standard
ecs	dns-rsp-unknown-query	INT64	Incremental	active	The total number of DNS responses received for unknown queries.	Increments whenever a DNS response packet is received for unknown queries.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ecs-dns-learnt-ipv4-entries	INT64	Incremental	active	The total number of learnt IPv4 entries.	Increments if a new IPv4 entry is received, and decrements if the entry gets timed out and gets flushed, or when the rule line corresponding to an IPv4 entry is removed from the rulebase.	Per Active Charging Service.	Standard
ecs	ecs-dns-flushed-ipv4-entries	INT64	Incremental	active	The total number of flushed IPv4 entries.	Increments if the TTL for an IPv4 entry expires. When the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard
ecs	ecs-dns-replaced-ipv4-entries	INT64	Incremental	active	The total number of replaced IPv4 entries.	Increments if the TTL value of that entry is replaced with a new value. If the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard
ecs	ecs-dns-overflown-ipv4-entries	INT64	Incremental	active	The total number of overflown IPv4 entries.	Increments if the number of learnt DNS entries exceeds ACS maximum learnt IPv4 entries per pool or ACS maximum learnt IPv4 entries across system. If the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard
ecs	ecs-dns-learnt-ipv6-entries	INT64	Incremental	active	The total number of learnt IPv6 entries.	Increments if a new IPv6 entry is received, and decrements if the entry gets timed out and gets flushed, or when the rule line corresponding to an IPv6 entry is removed from the rulebase.	Per Active Charging Service.	Standard
ecs	ecs-dns-flushed-ipv6-entries	INT64	Incremental	active	The total number of flushed IPv6 entries.	Increments if the TTL for an IPv6 entry expires. When the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard
ecs	ecs-dns-replaced-ipv6-entries	INT64	Incremental	active	The total number of replaced IPv6 entries.	Increments if the TTL value of that entry is replaced with a new value. When the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ecs-dns-overflown-ipv6-entries	INT64	Incremental	active	The total number of overflown IPv6 entries.	Increments if the number of learnt DNS entries exceeds ACS maximum learnt IPv6 entries per pool or ACS maximum learnt IPv6 entries across system. If the rule lines (URLs to be snooped) are removed from the rulebase, the counter is set to 0.	Per Active Charging Service.	Standard
ecs	ecs-ttlsuccess	INT32	Incremental	active	The total number of successful ECS sessions.	Increments whenever an ECS session is successfully created.	Per Active Charging Service.	Standard
ecs	ecs-ttlfail	INT32	Incremental	active	The total number of failed ECS sessions.	Increments whenever an ECS session creation fails.	Per Active Charging Service.	Standard
ecs	ecs-curactive	INT32	Gauge	active	The number of currently active ECS sessions.	Increments whenever a new ECS session is created. Decrements whenever an ECS session ends.	Per Active Charging Service.	Standard
ecs	ecs-15peak-curactive	INT32	Gauge	active	The peak number of active ECS sessions in 15 one-minute intervals over the last 15 minutes. ecs-15peak-curactive is computed from ecs-curactive gathered every minute over the last 15 minutes.	This is updated every 15 minutes.	Per Active Charging Service.	Standard
ecs	ecs-ruleshit	INT64	Incremental	active	The total number of rules hit.	Increments whenever a rule is hit.	Per Active Charging Service.	Standard
ecs	ecs-ppruleshit	INT64	Incremental	active	The total number of post-processing rules hit.	Increments whenever a post-processing rule is hit.	Per Active Charging Service.	Standard
ecs	ecs-ttldlinkbytes	INT64	Incremental	active	The total number of downlink bytes detected for ECS sessions.	Increments whenever a downlink packet is received for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-ttlulinkbytes	INT64	Incremental	active	The total number of uplink bytes detected for ECS sessions.	Increments whenever an uplink packet is received for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-ttldlinkpackets	INT64	Incremental	active	The total number of downlink packets detected for ECS sessions.	Increments whenever a downlink packet is received for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-ttlulinkpackets	INT64	Incremental	active	The total number of uplink packets detected for ECS sessions.	Increments whenever an uplink packet is received for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-ttlflowconn	INT64	Incremental	active	The total number of flows established by ECS sessions.	Increments whenever a new flow is created for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-ttlflowdisc	INT64	Incremental	active	The total number of flows disconnected for ECS sessions.	Increments whenever a flow is disconnected for the ECS session.	Per Active Charging Service.	Standard
ecs	ecs-curflow	INT32	Gauge	active	The number of currently active ECS flows.	Increments whenever a new ECS flow is created. Decrements whenever an ECS flow is removed.	Per Active Charging Service.	Standard
ecs	ecs-15peak-curflow	INT32	Gauge	active	The peak number of active ECS flows in 15 one-minute intervals over the last 15 minutes. ecs-15peak-curflow is computed from ecs-curflow gathered every minute over the last 15 minutes.	This is updated every 15 minutes.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	ecs-15min-usage-flowall	INT32	Gauge	active	The total number of active ECS flows detected in the last 15 minutes.	Increments whenever a new ECS flow is created in last 15 minutes. Decrements whenever an ECS flow is removed in last 15 minutes.	Per Active Charging Service.	Standard
ecs	ecs-num-mgr-flows-more-than-90p	INT32	Gauge	active	The total number of session managers that have exceeded 90 of the total flow limit per session manager.	Increments whenever a session manager exceeds 90 of the maximum flow limit per session manager. Decrements whenever a session manager falls below 90 of the maximum flow limit per session manager.	Per Active Charging Service.	Standard
ecs	ecs-num-mgr-flows-more-than-75p	INT32	Gauge	active	The total number of session managers that has exceeded 75 of the total flow limit per session manager.	Increments whenever a session manager exceeds 75 of the maximum flow limit per session manager. Decrements whenever a session manager falls below 75 of the maximum flow limit per session manager.	Per Active Charging Service.	Standard
ecs	ecs-num-mgr-flows-more-than-50p	INT32	Gauge	active	The total number of session managers that has exceeded 50 of the total flow limit per session manager.	Increments whenever a session manager exceeds 50 of the maximum flow limit per session manager. Decrements whenever a session manager falls below 50 of the maximum flow limit per session manager.	Per Active Charging Service.	Standard
ecs	ecs-cur-gxdynrules-per-session	INT32	Gauge	active	The total number of average current Gx dynamic rules per session.	Increments whenever any Gx dynamic rules gets added on the system.	Per Active Charging Service.	Standard
ecs	nat-current-ipv4-pdn-subscribers	INT32	Gauge	active	The current number of IPv4 PDN subscribers who are NAT44 enabled.	Increments whenever an IPv4 PDN call comes up with NAT44 enabled status. Decrements whenever an IPv4 PDN call with NAT44 enabled status goes down.	Per Active Charging Service.	Standard
ecs	nat-current-ipv6-pdn-subscribers	INT32	Gauge	active	The current number of IPv6 PDN subscribers who are NAT64 enabled.	Increments whenever an IPv6 PDN call comes up with NAT64 enabled status. Decrements whenever an IPv6 PDN call with NAT64 enabled status goes down.	Per Active Charging Service.	Standard
ecs	nat-current-ipv4v6-pdn-subscribers	INT32	Gauge	active	The current number of IPv4v6 PDN subscribers who are either NAT44 or NAT64 enabled.	Increments whenever an IPv4v6 PDN call comes up with NAT44 or NAT64 enabled status. Decrements whenever an IPv4v6 PDN call with NAT44 or NAT64 enabled status goes down.	Per Active Charging Service.	Standard
ecs	nat-total-ipv4-pdn-subscribers	INT64	Incremental	active	The total number of IPv4 PDN subscribers who are NAT44 enabled.	Increments whenever an IPv4 PDN call comes up with NAT44 enabled status.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	nat-total-ipv6-pdn-subscribers	INT64	Incremental	active	The total number of IPv6 PDN subscribers who are NAT64 enabled.	Increments whenever an IPv6 PDN call comes up with NAT64 enabled status.	Per Active Charging Service.	Standard
ecs	nat-total-ipv4v6-pdn-subscribers	INT64	Incremental	active	The total number of IPv4v6 PDN subscribers who are either NAT44 or NAT64 enabled.	Increments whenever an IPv4v6 PDN call comes up with either NAT44 or NAT64 enabled status.	Per Active Charging Service.	Standard
ecs	nat-current-ipv4-pdn-subscribers-with-nat-ip	INT32	Gauge	active	The current number of IPv4 PDN subscribers who are NAT44 enabled and using at least one NAT IP address.	Increments whenever a NAT44 enabled call uses at least one NAT IP address. Decrements whenever all NAT IP addresses are released by that call.	Per Active Charging Service.	Standard
ecs	nat-current-ipv6-pdn-subscribers-with-nat-ip	INT32	Gauge	active	The current number of IPv6 PDN subscribers who are NAT64 enabled and using at least one NAT IP address.	Increments whenever a NAT64 enabled call uses at least one NAT IP address. Decrements whenever all NAT IP addresses are released by that call.	Per Active Charging Service.	Standard
ecs	nat-current-ipv4v6-pdn-subscribers-with-nat-ip	INT32	Gauge	active	The current number of IPv4v6 PDN subscribers who are either NAT44 or NAT64 enabled, and using at least one NAT IP address.	Increments whenever a NAT44 or NAT64 enabled call uses at least one NAT IP address. Decrements whenever all NAT IP addresses are released by that call.	Per Active Charging Service.	Standard
ecs	nat-total-ipv4-pdn-subscribers-with-nat-ip	INT64	Incremental	active	The total number of IPv4 PDN subscribers who are NAT44 enabled and using at least one NAT IP address.	Increments whenever a NAT44 enabled call uses at least one NAT IP address.	Per Active Charging Service.	Standard
ecs	nat-total-ipv6-pdn-subscribers-with-nat-ip	INT64	Incremental	active	The total number of IPv6 PDN subscribers who are NAT64 enabled and using at least one NAT IP address.	Increments whenever a NAT64 enabled call uses at least one NAT IP address.	Per Active Charging Service.	Standard
ecs	nat-total-ipv4v6-pdn-subscribers-with-nat-ip	INT64	Incremental	active	Total number of IPv4v6 PDN subscribers who are either NAT44 or NAT64 enabled and using at least one NAT IP address.	Increments whenever a NAT44 or NAT64 enabled call uses at least one NAT IP address.	Per Active Charging Service.	Standard
ecs	nat-total-unsolicited-dwnlnk-pkts	INT64	Incremental	active	Total number of unsolicited downlink packets received. These packets fall into one of the following categories: Downlink packet for a NAT-IP but with unallocated NAT port. Downlink packet for a NAT-IP with allocated port but no active 5-tuple in the system.	Increments when an unsolicited packet is received.	Per Active Charging Service.	Standard
ecs	nat-total-icmp-hu-sent-for-dwnlnk-pkts	INT64	Incremental	active	Total number of ICMP-HU error replies sent. ICMP-HU will be sent for packets in one of the following categories: Downlink packet for a NAT-IP but with unallocated NAT port. Downlink packet for a NAT-IP with allocated port but no active 5-tuple in the system.	Increments when an ICMP-HU error reply is sent.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-req	INT64	Incremental	active	Total number of request packets received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet sent from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-rsp	INT64	Incremental	active	Total number of PCP Responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to a packet received from a PCP client (MS).	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	total-pcp-svc-unknown-rsp	INT64	Incremental	active	Total number of PCP Responses sent by the PCP service for unknown PCP Req. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to a packet received from a PCP client (MS) and the packet is not a PCP packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-invalid-rsp	INT64	Incremental	active	Total number of PCP Responses sent by the PCP service for invalid PCP Req. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to a packet received from a PCP client (MS) and the packet is invalid PCP Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-req	INT64	Incremental	active	Total number of PCP MAP requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is of PCP MAP Req type.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-valid-req	INT64	Incremental	active	Total number of valid PCP MAP requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is a valid PCP MAP Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-invalid-req	INT64	Incremental	active	Total number of invalid PCP MAP requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is an invalid PCP MAP Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-rsp	INT64	Incremental	active	Total number of PCP MAP responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to PCP MAP Req packet received from a PCP client (MS). The PCP MAP Req packet can be valid or invalid.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-rsp-success	INT64	Incremental	active	Total number of successful PCP MAP responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP MAP Rsp SUCCESS to PCP MAP Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-map-rsp-error	INT64	Incremental	active	Total number of error PCP MAP responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP MAP Rsp ERROR to PCP MAP Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-peer-req	INT64	Incremental	active	Total number of PCP PEER requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is of PCP PEER Req type.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-peer-valid-req	INT64	Incremental	active	Total number of valid PCP PEER requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is a valid PCP PEER Req packet.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	total-pcp-svc-peer-invalid-req	INT64	Incremental	active	Total number of invalid PCP PEER requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is an invalid PCP PEER Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-peer-rsp	INT64	Incremental	active	Total number of PCP PEER responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to PCP PEER Req packet received from a PCP client (MS). The PCP PEER Req packet can be valid or invalid.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-peer-rsp-success	INT64	Incremental	active	Total number of successful PCP PEER responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP PEER Rsp SUCCESS to PCP PEER Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-peer-rsp-error	INT64	Incremental	active	Total number of error PCP MAP responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP PEER Rsp ERROR to PCP PEER Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-announce-req	INT64	Incremental	active	Total number of PCP ANNOUNCE requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is of PCP ANNOUNCE Req type.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-announce-valid-req	INT64	Incremental	active	Total number of valid PCP ANNOUNCE requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is a valid PCP ANNOUNCE Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-announce-invalid-req	INT64	Incremental	active	Total number of invalid PCP ANNOUNCE requests received for the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service receives a packet from a PCP client (MS) and the packet is an invalid PCP ANNOUNCE Req packet.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-announce-rsp	INT64	Incremental	active	Total number of PCP ANNOUNCE responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds to PCP ANNOUNCE Req packet received from a PCP client (MS). The PCP ANNOUNCE Req packet can be valid or invalid.	Per Active Charging Service.	Standard
ecs	total-pcp-svc-announce-rsp-success	INT64	Incremental	active	Total number of successful PCP ANNOUNCE responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP ANNOUNCE Rsp SUCCESS to PCP ANNOUNCE Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	total-pcp-svc-announce-rsp-error	INT64	Incremental	active	Total number of error PCP MAP responses sent by the PCP service. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when PCP service responds with PCP ANNOUNCE Rsp ERROR to PCP ANNOUNCE Req packet received from a PCP client (MS).	Per Active Charging Service.	Standard
ecs	total-pcp-svc-subscribers	INT32	Incremental	active	Total number of PCP enabled subscribers. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when a new PCP enabled subscriber comes up or is recovered.	Not Defined	Standard
ecs	current-pcp-svc-subscribers	INT32	Gauge	active	Current number of PCP enabled subscribers. This statistic is customer specific. Contact your Cisco account representative for more information.	Increments when a new PCP subscriber comes up or is recovered. Decrements when a PCP subscriber is cleared.	Per Active Charging Service.	Standard
ecs	active-uidh-client-connections	INT64	Gauge	active	Active UIDH Client connections	Increments when UIDH Client connected with UIDH Server	Per Active Charging Service.	Standard
ecs	uidh-current-opt-in-subscriber	INT64	Gauge	active	Current subscribers who are opted in for UIDH	Increments when a subscriber opts in for UIDH	Per Active Charging Service.	Standard
ecs	total-uidh-insertion	INT64	Incremental	active	Total number of UIDH insertions	Increments when UIDH insertion is done	Per Active Charging Service	Standard
ecs	initial-uidh-request	INT64	Incremental	active	Total number of intial UIDH requests transmitted	Increments when a UIDH request is sent for the first time.	Per Active Charging Service	Standard
ecs	refresh-uidh-request	INT64	Incremental	active	Total number of refresh UIDH requests transmitted	Increments when a UIDH request is sent after expiry of refresh timer.	Per Active Charging Service	Standard
ecs	initial-uidh-opt-in-response	INT64	Incremental	active	Total number of Opted in response received for initial UIDH request	Increments when Opted in response is received for initial UIDH request.	Per Active Charging Service	Standard
ecs	refresh-uidh-opt-in-response	INT64	Incremental	active	Total number of Opted in response received for refresh UIDH request	Increments when Opted in response is received for refresh UIDH request.	Per Active Charging Service	Standard
ecs	initial-uidh-opt-out-response	INT64	Incremental	active	Total number of Opted out response received for initial UIDH request	Increments when Opted out response is received for initial UIDH request.	Per Active Charging Service	Standard
ecs	refresh-uidh-opt-out-response	INT64	Incremental	active	Total number of Opted out response received for refresh UIDH request	Increments when Opted out response is received for refresh UIDH request.	Per Active Charging Service	Standard
ecs	initial-uidh-request-timeout	INT64	Incremental	active	Total number of timed out initial UIDH requests	Increments when initial UIDH request timeout	Per Active Charging Service	Standard
ecs	refresh-uidh-request-timeout	INT64	Incremental	active	Total number of timed out refresh UIDH requests	Increments when refresh UIDH request timeout	Per Active Charging Service	Standard
ecs	initial-uidh-failure-error-response-code	INT64	Incremental	active	Total number of initial UIDH response with error code	Increments when UIDH respose is received for initial request with error code.	Per Active Charging Service	Standard
ecs	refresh-uidh-failure-error-response-code	INT64	Incremental	active	Total number of refresh UIDH response with error code	Increments when UIDH respose is received for refresh request with error code.	Per Active Charging Service	Standard
ecs	uidh-whitelist-url-host-lookup	INT64	Incremental	active	Total number of whitelisted URL lookups done	Increments when lookup is done for whitelisted URL	Per Active Charging Service	Standard
ecs	uidh-whitelist-url-host-match	INT64	Incremental	active	Total number of whitelisted URL matches	Increments when whitelisted URL matched	Per Active Charging Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	uidh-whitelist-url-host-lookup-bypass	INT64	Incremental	active	Total number of whitelisted URL lookups bypassed	Increments when lookup is bypassed for whitelisted URL	Per Active Charging Service	Standard
ecs	tcp-active-normal-flow-count	INT64	Gauge	active	Indicates the number of TCP active-normal-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-active-large-flow-count	INT64	Gauge	active	Indicates the number of TCP active-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-active-managed-large-flow-count	INT64	Gauge	active	Indicates the number of TCP active-managed-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-active-unmanaged-large-flow-count	INT64	Gauge	active	Indicates the number of TCP active-managed-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-normal-flow-count	INT64	Incremental	active	Indicates the number of TCP active-unmanaged-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-large-flow-count	INT64	Incremental	active	Indicates the number of TCP total-normal-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-managed-large-flow-count	INT64	Incremental	active	Indicates the number of TCP total-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-unmanaged-large-flow-count	INT64	Incremental	active	Indicates the number of TCP total-unmanaged-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-io-bytes	INT64	Incremental	active	Indicates the number of TCP total-IO bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-large-flow-bytes	INT64	Incremental	active	Indicates the number of TCP total-large-flow bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-recovered-capacity-bytes	INT64	Incremental	active	Indicates the number of TCP total-recovered capacity bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-total-recovered-capacity-ms	INT64	Incremental	active	Indicates the number of TCP total-recovered-capacity-ms for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-active-normal-flow-count	INT64	Gauge	active	Indicates the number of UDP active-normal-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-active-large-flow-count	INT64	Gauge	active	Indicates the number of UDP active-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-active-managed-large-flow-count	INT64	Gauge	active	Indicates the number of UDP active-managed-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-active-unmanaged-large-flow-count	INT64	Gauge	active	Indicates the number of UDP active-unmanaged-large-flow-count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-normal-flow-count	INT64	Incremental	active	Indicates the number of UDP total-normal-flow-count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-large-flow-count	INT64	Incremental	active	Indicates the number of UDP total-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-managed-large-flow-count	INT64	Incremental	active	Indicates the number of UDP total-managed-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-unmanaged-large-flow-count	INT64	Incremental	active	Indicates the number of UDP total-unmanaged-large-flow count for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-io-bytes	INT64	Incremental	active	Indicates the number of UDP total-IO-bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-large-flow-bytes	INT64	Incremental	active	Indicates the number of UDP total-large-flow bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-recovered-capacity-bytes	INT64	Incremental	active	Indicates the number of UDP total-recovered-capacity bytes for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-total-recovered-capacity-ms	INT64	Incremental	active	Number of UDP total recovered capacity ms for Cisco Ultra Traffic Optimization	Not Defined	Not Defined	Standard
ecs	tcp-uplink-drop	INT64	Incremental	active	Indicates the number of TCP uplink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-uplink-hold	INT64	Incremental	active	Indicates the number of TCP uplink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-uplink-forward	INT64	Incremental	active	Indicates the number of TCP uplink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-uplink-forward-and-hold	INT64	Incremental	active	Indicates the number of TCP uplink-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-uplink-hold-failed	INT64	Incremental	active	Indicates the number of TCP uplink-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-uplink-bw-limit-flow-sent	INT64	Incremental	active	Indicates the number of TCP uplink-bw-limit-flow sent for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-drop	INT64	Incremental	active	Indicates the number of TCP downlink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-hold	INT64	Incremental	active	Indicates the number of TCP downlink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-forward	INT64	Incremental	active	Indicates the number of TCP downlink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-forward-and-hold	INT64	Incremental	active	Indicates the number of TCP downlink-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-hold-failed	INT64	Incremental	active	Indicates the number of TCP downlink-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-bw-limit-flow-sent	INT64	Incremental	active	Indicates the number of TCP downlink-bw-limit-flow sent for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-async-drop	INT64	Incremental	active	Indicates the number of TCP downlink-async-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-async-hold	INT64	Incremental	active	Indicates the number of TCP downlink-async-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-async-forward	INT64	Incremental	active	Indicates the number of TCP downlink-async-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-async-forward-and-hold	INT64	Incremental	active	Indicates the number of TCP downlink-async-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-dnlink-async-hold-failed	INT64	Incremental	active	Indicates the number of TCP downlink-async-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-packet-drop	INT64	Incremental	active	Indicates the number of TCP process-packet-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-packet-hold	INT64	Incremental	active	Indicates the number of TCP process-packet-hold for Cisco Ultra Traffic Optimization	Nothing.	Not Defined	Standard
ecs	tcp-process-packet-forward	INT64	Incremental	active	Indicates the number of TCP process-packet-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-packet-forward-failed	INT64	Incremental	active	Indicates the number of TCP process-packet-forward-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-packet-forward-and-hold	INT64	Incremental	active	Indicates the number of TCP process-packet-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-packet-forward-and-hold-failed	INT64	Incremental	active	Indicates the number of TCP process-packet-forward and-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-pkt-copy	INT64	Incremental	active	Indicates the number of TCP packet-copy for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-pkt-copy-failed	INT64	Incremental	active	Indicates the number of TCP packet-copy-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-pkt-copy	INT64	Incremental	active	Indicates the number of TCP process-packet-copy for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-pkt-copy-failed	INT64	Incremental	active	Indicates the number of TCP process-packet-copy-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-pkt-no-packet-found-action-forward	INT64	Incremental	active	Indicates the number of TCP process packet, no packet found, action forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-process-pkt-no-packet-found-forward-and-hold	INT64	Incremental	active	Indicates the number of TCP process packet, no packet found, action-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	tcp-process-pkt-no-packet-found-action-drop	INT64	Incremental	active	Indicates the number of TCP process packet, no packet found, action drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	tcp-todrs-generated	INT64	Incremental	active	Indicates the number of TCP TODRs generated for Cisco Ultra Traffic Optimization	Not Defined	Nothing.	Standard
ecs	udp-uplink-drop	INT64	Incremental	active	Indicates the number of UDP uplink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-uplink-hold	INT64	Incremental	active	Indicates the number of UDP uplink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-uplink-forward	INT64	Incremental	active	Indicates the number of UDP uplink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-uplink-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP uplink-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-uplink-hold-failed	INT64	Incremental	active	Indicates the number of UDP uplink-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-uplink-bw-limit-flow-sent	INT64	Incremental	active	Indicates the number of UDP uplink-bw-limit-flow-sent for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-drop	INT64	Incremental	active	Indicates the number of UDP downlink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-hold	INT64	Incremental	active	Indicates the number of UDP downlink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-forward	INT64	Incremental	active	Indicates the number of UDP downlink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP downlink-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP downlink-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-hold-failed	INT64	Incremental	active	Indicates the number of UDP downlink-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-bw-limit-flow-sent	INT64	Incremental	active	Indicates the number of UDP downlink bw limit-flow-sent for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-async-drop	INT64	Incremental	active	Indicates the number of UDP-downlink-async-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-async-hold	INT64	Incremental	active	Indicates the number of UDP downlink-async-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-async-forward	INT64	Incremental	active	Indicates the number of UDP downlink async forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-async-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP downlink-async-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-dnlink-async-hold-failed	INT64	Incremental	active	Indicates the number of UDP downlink-async-hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-drop	INT64	Incremental	active	Indicates the number of UDP process-packet-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-hold	INT64	Incremental	active	Indicates the number of UDP process-packet-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-forward	INT64	Incremental	active	Indicates the number of UDP process-packet-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-forward-failed	INT64	Incremental	active	Indicates the number of UDP process-packet-forward-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP process-packet-forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-packet-forward-and-hold-failed	INT64	Incremental	active	Indicates the number of UDP process-packet-forward and hold-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-pkt-copy	INT64	Incremental	active	Indicates the number of UDP-packet-copy for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-pkt-copy-failed	INT64	Incremental	active	Indicates the number of UDP packet-copy-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs	udp-process-pkt-copy	INT64	Incremental	active	Indicates the number of UDP process-packet-copy for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-pkt-copy-failed	INT64	Incremental	active	Indicates the Number of UDP process-packet-copy-failed for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-pkt-no-packet-found-action-forward	INT64	Incremental	active	Indicates the number of UDP process-packet, no packet found, action forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-pkt-no-packet-found-forward-and-hold	INT64	Incremental	active	Indicates the number of UDP process packet, no packet found, action forward and hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-process-pkt-no-packet-found-action-drop	INT64	Incremental	active	Indicates the number of UDP process packet, no packet found, action-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	udp-todrs-generated	INT64	Incremental	active	Indicates the number of UDP TODRs generated for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-uplink-drop	INT64	Incremental	active	Indicates the number of uplink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-uplink-hold	INT64	Incremental	active	Indicates the number of uplink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-uplink-forward	INT64	Incremental	active	Indicates the number of uplink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-uplink-rx	INT64	Incremental	active	Indicates the number of uplink-rx pkts for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-uplink-tx	INT64	Incremental	active	Indicates the number of uplink-tx pkts for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-dnlink-drop	INT64	Incremental	active	Indicates the number of downlink-drop for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-dnlink-hold	INT64	Incremental	active	Indicates the number of downlink-hold for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-dnlink-forward	INT64	Incremental	active	Indicates the number of downlink-forward for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-dnlink-rx	INT64	Incremental	active	Indicates the number of downlink-rx pkts for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-dnlink-tx	INT64	Incremental	active	Indicates the number of downlink-tx pkts for Cisco Ultra Traffic Optimization.	Not Defined	Not Defined	Standard
ecs	cuto-todrs-generated	INT64	Incremental	active	Indicates the number of TODRs generated for Cisco Ultra Traffic Optimization	Not Defined	Nothing.	Standard
ecs-rbase	ecs-rbase-name	STRING	Primary-key	active	The name of the Billing Plan associated with the subscriber	Not Applicable	Per Rulebase	Standard
ecs-rbase	ecs-rbase-upl_pkts	INT32	Incremental	active	Total number of Uplink Packets (from the MS) detected via subscribers using this Billing Plan	Increments when a packet in Uplink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-upl_bytes	INT32	Incremental	active	Total number of Uplink Bytes (from the MS) detected via subscribers using this Billing Plan	Increments when a packet in Uplink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-dnl_pkts	INT32	Incremental	active	Total number of Downlink Packets (to the MS) detected via subscribers using this Billing Plan	Increments when a packet in Downlink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-dnl_bytes	INT32	Incremental	active	Total number of Downlink Bytes (to the MS) detected via subscribers using this Billing Plan	Increments when a packet in Downlink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ecs-rbase	ecs-rbase-upl-pkts-v2	INT64	Incremental	active	Total number of Uplink Packets (from the MS) detected via subscribers using this Billing Plan	Increments when a packet in Uplink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-upl-bytes-v2	INT64	Incremental	active	Total number of Uplink Bytes (from the MS) detected via subscribers using this Billing Plan	Increments when a packet in Uplink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-dnl-pkts-v2	INT64	Incremental	active	Total number of Downlink Packets (to the MS) detected via subscribers using this Billing Plan	Increments when a packet in Downlink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-dnl-bytes-v2	INT64	Incremental	active	Total number of Downlink Bytes (to the MS) detected via subscribers using this Billing Plan	Increments when a packet in Downlink Direction is detected for a subscriber using this Billing Plan	Per Rulebase	Standard
ecs-rbase	ecs-rbase-sess-cur	INT32	Gauge	active	Total number of Current bearers established under this Billing Plan	Increments when a new bearer is established for a subscriber using this Billing Plan. Decrements when an existing bearer is terminated for a subscriber using this Billing Plan.	Per Rulebase	Standard
ecs-rbase	ecs-rbase-subscribers-cur	INT32	Gauge	active	Total number of Current subscriber sessions established under this Billing Plan	Increments when a new subscriber session is established using this Billing Plan. Decrements when an existing subscriber session using this Billing Plan is terminated.	Per Rulebase	Standard
nat-realm	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
nat-realm	realmname	STRING	Primary-key	active	Name of the realm. Collected per context per realm.	Not Defined	Not Defined	Standard
nat-realm	nat-bind-updates	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
nat-realm	nat-rlm-bind-updates	INT64	Incremental	active	Total NAT realm binding updates sent to AAA. Collected per context per realm.	Increments when the port chunk allocates or deallocates, and an update is sent to AAA.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-bytes-tx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
nat-realm	nat-rlm-bytes-txferred	INT64	Incremental	active	Total number of NAT44 and NAT64 bytes transferred by realm. Collected per context per realm.	Increments when the NAT44 and NAT64 packets are transmitted using this NAT realm.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-bytes-nat44-tx	INT64	Incremental	active	Total number of NAT44 bytes transferred by realm.	Increments when the NAT44 packets are transmitted using this NAT realm.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-bytes-nat64-tx	INT64	Incremental	active	Total number of NAT64 bytes transferred by realm.	Increments when the NAT64 packets are transmitted using this NAT realm.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-flows	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
nat-realm	nat-rlm-ip-flows	INT64	Incremental	active	Total number of NAT44 and NAT64 IP flows used by realm. Collected per context per realm.	Increments when the new flows use this NAT realm.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-nat44-flows	INT64	Incremental	active	Total number of NAT44 flows processed by realm.	Increments when the new NAT44 flows use this NAT realm.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
nat-realm	nat-rlm-nat64-flows	INT64	Incremental	active	Total number of NAT64 flows processed by realm.	Increments when the new NAT64 flows use this NAT realm.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ip-denied	INT32	Incremental	active	Total number of NAT44 and NAT64 flows denied IP. Collected per context per realm.	Increments when the new NAT IP is not available for translation to new NAT44 and NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ip-denied-nat44	INT64	Incremental	active	Total number of NAT44 flows denied IP.	Increments when the new NAT IP is not available for translation to new NAT44 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ip-denied-nat64	INT64	Incremental	active	Total number of NAT64 flows denied IP.	Increments when the new NAT IP is not available for translation to new NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-denied	INT32	Incremental	active	Total number of NAT44 and NAT64 flows denied ports. Collected per context per realm.	Increments when the new NAT port is not available for translation to new NAT44 and NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-denied-nat44	INT64	Incremental	active	Total number of NAT44 flows denied ports.	Increments when the new NAT port is not available for translation to new NAT44 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-denied-nat64	INT64	Incremental	active	Total number of NAT64 flows denied ports.	Increments when the new NAT port is not available for translation to new NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-memory-denied	INT64	Incremental	active	Total number of NAT44 and NAT64 flows denied memory. Collected per instance.	Increments when memory is not available for NAT44 and NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-memory-denied-nat44	INT64	Incremental	active	Total number of NAT44 flows denied memory.	Increments when memory is not available for NAT44 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-memory-denied-nat64	INT64	Incremental	active	Total number of NAT64 flows denied memory.	Increments when memory is not available for NAT64 flows.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ttl-ips	INT32	Gauge	active	Total number of NAT public IP addresses. Collected per context per realm.	Not Defined	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ips-in-use	INT32	Gauge	active	Total number of NAT public IP addresses currently in use. Collected per context.	Increments when a new NAT IP address is used by any subscriber.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-current-users	INT32	Gauge	active	Total number of current users using a NAT realm. Collected per context per realm.	Increments when a new subscriber uses the NAT IP from this realm and decrements on releasing the NAT IP address.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-ttl-port-chunks	INT32	Gauge	active	Total number of port chunks. Collected per context per realm.	Not Defined	Per Active Charging Service.	Standard
nat-realm	nat-rlm-chunks-in-use	INT32	Gauge	active	Total number of port chunks currently in use. Collected per context per realm.	Increments when a new flow takes new port chunk and decrements on releasing the chunk.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-chunk-size	INT32	Gauge	active	The size of the port chunk in the NAT realm. This is a snapshot statistic.	Not Defined	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
nat-realm	nat-rlm-port-chunk-average-usage-tcp	INT32	Gauge	active	The average TCP port usage in the allocated TCP ports, i.e out of allocated TCP ports how many got used. This is not a percentage value. This is a snapshot statistic.	Increments during TCP flows creation and existing network conditions.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-chunk-average-usage-udp	INT32	Gauge	active	The average UDP port usage in the allocated UDP ports, i.e out of allocated UDP ports how many got used. This is not a percentage value. This is a snapshot statistic.	Increments during UDP flows creation and existing network conditions.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-port-chunk-average-usage-others	INT32	Gauge	active	The average Others (ICMP or GRE) port usage in the allocated others ports, i.e out of allocated \\'Others\\' ports how many got used. This is not a percentage value. This is a snapshot statistic.	Increments during ICMP or GRE flows creation and existing network conditions.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-max-port-chunk-subs	INT64	Incremental	active	Total number of subscribers who have used maximum number of port chunks. This is a cumulative statistic.	Increments when any subscriber uses maximum number of port chunks.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-max-port-chunk-used	INT32	Incremental	active	The maximum number of port chunks used by any subscriber. This is a cumulative statistic.	Increments when any subscriber uses new maximum number of port chunks.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-max-cur-port-chunk-subs	INT64	Gauge	active	Total number of current subscribers using maximum number of port chunks. This is a snapshot statistic.	Increments when the active subscriber uses maximum number of port chunks.	Per Active Charging Service.	Standard
nat-realm	nat-rlm-max-cur-port-chunk-used	INT32	Gauge	active	The maximum number of port chunks currently used by any subscriber. This is a snapshot statistic.	Increments when the active subscriber uses new maximum number of port chunks.	Per Active Charging Service.	Standard
sgsn	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgsn	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SGSN service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgsn	servname	STRING	Primary-key	active	The name of the SGSN service for which these statistics are being displayed.	Configuration	Per SGSN Service	Standard
sgsn	mcc	STRING	Primary-key	active	Indicates the mobile country code (MCC) of SGSN service for which these statistics are collected.	Not Defined	Not Defined	Standard
sgsn	mnc	STRING	Primary-key	active	Indicates the mobile network code (MNC) of SGSN service for which these statistics are collected.	Not Defined	Not Defined	Standard
sgsn	lac	INT32	Primary-key	active	Indicates the location area code (LAC) of SGSN service for which these statistics are collected.	Not Defined	Not Defined	Standard
sgsn	rac	INT32	Primary-key	active	Indicates the routing area code (RAC) of SGSN service for which these statistics are collected.	Not Defined	Not Defined	Standard
sgsn	3G-attached	INT32	Gauge	active	Total number of subscribers, including home and visiting, attached for 3G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per SGSN service, per RA	Standard
sgsn	2G-attached	INT32	Gauge	active	Total number of subscribers, including home and visiting, attached for 2G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	2G-attached-with-dcnr	INT32	Gauge	active	Total number of subscribers with dcnr capable for 2G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2g-attached-pdp-with-dcnr	INT32	Gauge	active	Total number of subscribers attaching with pdp with dcnr capable for 2G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	2g-activated-pdp-with-dcnr	INT32	Gauge	active	Total number of active PDP context with dcnr capable for 2G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	2G-attach-req-with-dcnr	INT32	Incremental	active	Total number of 2G Attach Requests received from UEs.	1) When a subscriber attaches to the SGSN.	per GPRS service, per RA	Standard
sgsn	2G-attach-accept-with-dcnr	INT32	Incremental	active	Total number of 2G Attach Requests accepted for UEs.	1) When a subscriber attach accepted by the SGSN.	per GPRS service, per RA	Standard
sgsn	2G-attach-reject-with-dcnr	INT32	Incremental	active	Total number of 2G Attach Requests Rejected for UEs.	1) When a subscriber attach rejected by the SGSN.	per GPRS service, per RA	Standard
sgsn	2G-rau-with-dcnr	INT32	Incremental	active	Total number of 2G SGSN RAU Request messages with DCNR capability received from UEs.	Increments when the RAU messaged received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-rau-accept-with-dcnr	INT32	Incremental	active	Total number of 2G SGSN RAU accept messages with DCNR capability received.	Increments when the RAU accept messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-rau-complete-with-dcnr	INT32	Incremental	active	Total number of 2G SGSN RAU complete messages with DCNR capability received.	Increments when the RAU complete messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-rau-reject-with-dcnr	INT32	Incremental	active	Total number of 2G SGSN RAU reject messages with DCNR capability received.	Increments when the RAU reject messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-total-active-with-dcnr	INT32	Incremental	active	total number of 2G Activation Request Received with DCNR..	Increments when the activation request messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-total-primary-active-with-dcnr	INT32	Incremental	active	total number of 2G Primary Activation Request Received with DCNR..	Increments when the activation request messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-total-primary-active-accept-with-dcnr	INT32	Incremental	active	total number of 2G Primary Activation Accept Received with DCNR..	Increments when the activation accept messages received	per GPRS service, NSEI, RAI	Standard
sgsn	2G-total-primary-active-reject-with-dcnr	INT32	Incremental	active	total number of 2G Primary Activation Reject Received with DCNR..	Increments when the activation Reject messages received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-home-subscribers	INT32	Gauge	active	Indicates the total number of home subscribers attached for 3G service; where home means the MCC and MNC of the IMSI are equal to the SGSN PLMN ID.	Not Defined	Not Defined	Standard
sgsn	2G-home-subscribers	INT32	Gauge	active	Indicates the total number of home subscribers attached for 2G service; where home means the MCC and MNC of the IMSI are equal to the SGSN PLMN ID.	Not Defined	Not Defined	Standard
sgsn	3G-visiting-national	INT32	Gauge	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC (from IMSI) matches with SGSN service's MCC, but MNC is different from the SGSN service's MNC for 3G service.	1) When a national subscriber attaches to the SGSN. 2) Decrements when a national subscriber detaches from the SGSN.	per SGSN service, per RA	Standard
sgsn	2G-visiting-national	INT32	Gauge	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC (from IMSI) matches with GPRS service's MCC, but MNC is different from the GPRS service's MNC for 2G service.	1) When a national subscriber attaches to the SGSN. 2) Decrements when a national subscriber detaches from the SGSN.	per GPRS service; per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-visiting-foreign	INT32	Gauge	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC/MNC (from IMSI) does not match with the PLMN of the 3G SGSN service.	1) When a foreign subscriber attaches to the SGSN. 2) Decrements when a foreign subscriber detaches from the SGSN.	per GPRS service; per RA	Standard
sgsn	2G-visiting-foreign	INT32	Gauge	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC/MNC (from IMSI) does not match with the PLMN of the 2G SGSN service.	1) When a subscriber establishes an Iu and completes the security procedure in it. 2) Decrements when a connected subscriber releases the Iu.	per GPRS service; per RA	Standard
sgsn	3G-network-sharing-supp-ue	INT32	Gauge	active	This proprietary gauge indicates the total number of 3G Network Sharing Supporting User Equipment currently in the system. This statistics is specific to releases 8.1 and higher.	When a network sharing supporting UE connects with the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	3G-network-sharing-non-supp-ue	INT32	Gauge	active	This proprietary gauge indicates the total number of 3G Network Sharing Non-supporting User Equipment currently in the system.	When a network sharing non-supporting UE connects with the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	2G-network-sharing-supp-ue	INT32	Gauge	active	This proprietary gauge indicates the total number of 2G Network Sharing Supporting User Equipment currently in the system.	When a network sharing supporting UE connects with the 2G SGSN.	per GPRS service; per RA	Standard
sgsn	2G-network-sharing-non-supp-ue	INT32	Gauge	active	This proprietary gauge indicates the total number of 2G Network Sharing Non-supporting User Equipment currently in the system.	When a network sharing non-supporting UE connects with the 2G SGSN.	per GPRS service; per RA	Standard
sgsn	pmm-connected	INT32	Gauge	active	Total number of subscribers in packet mobility management-connected (PMM-CONNECTED) state.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per SGSN service, per RA	Standard
sgsn	pmm-idle	INT32	Gauge	active	Total number of subscribers in packet mobility management-idle (PMM-IDLE) mode.	Not Defined	Not Defined	Standard
sgsn	gprs-standby	INT32	Gauge	active	Total number of GPRS subscribers in standby mode.	Not Defined	Not Defined	Standard
sgsn	gprs-ready	INT32	Gauge	active	Total number of GPRS subscribers in ready mode.	Not Defined	Not Defined	Standard
sgsn	3G-attached-with-pdp	INT32	Gauge	active	Total number of 3G visiting and home subscribers in attached state with at least one active PDP context.	This gauge changes after successful activation of the first PDP context for a subscriber.	per SGSN service, per RA	Standard
sgsn	2G-attached-with-pdp	INT32	Gauge	active	Total number of 2G visiting and home subscribers in attached state with at least one active PDP context per GPRS service.	This gauge changes after successful activation of the first PDP context for a subscriber.	per GPRS service	Standard
sgsn	3G-activated-gn-with-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 3G Gn subscribers activated with LAPI.	If LAPI bit present in 3G Gn activation request	Per SGSN Service	Standard
sgsn	3G-activated-gn-without-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 3G Gn subscribers activated without LAPI.	If LAPI bit not present in 3G Gn activation request.	Service level	Standard
sgsn	3G-activated-s4-with-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 3G S4 subscribers activated with LAPI.	If LAPI bit present in 3G S4 activation request.	Service level	Standard
sgsn	3G-activated-s4-without-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 3G S4 subscribers activated without LAPI.	If LAPI bit not present in 3G S4 activation request.	Service level	Standard
sgsn	2G-activated-gn-with-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 2G Gn subscribers activated with LAPI.	If LAPI bit present in 2G Gn activation request.	Service level	Standard
sgsn	2G-activated-gn-without-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 2G Gn subscribers activated without LAPI.	If LAPI bit not present in 2G Gn activation request.	Service Level	Standard
sgsn	2G-activated-s4-with-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 2G S4 subscribers activated with LAPI.	Not Defined	Service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-activated-s4-without-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 2G S4 subscribers activated without LAPI.	If LAPI bit not present in 2G S4 activation request.	Service level	Standard
sgsn	3G-attached-no-pdp	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-attached-no-pdp	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-detached	INT32	Gauge	active	Total number of subscribers in detached state with PDP context for 3G service.	Not Defined	Nothing	Standard
sgsn	3G-total-attach-req-all	INT32	Incremental	active	Total number of all types of 3G Attach Request messages on the SGSN service and including SGSN-only and combined attaches.	Not Defined	Nothing	Standard
sgsn	3G-total-attach-req	INT32	Incremental	active	Total number of 3G IMSI-Attach and P-TMSI-Attach Requests (local and foreign) received by the SGSN from the UE.	Increments each time the SGSN receives an Attach attempt in the form of an IMSI or P-TMSI Attach Request.	per SGSN service	Standard
sgsn	3G-total-comb-attach-req	INT32	Incremental	active	Total number of combined 3G Attach Request messages.	Not Defined	Not Defined	Standard
sgsn	2G-total-attach-req-all	INT32	Incremental	active	Total number of all types of 2G Attach Request messages on the GPRS service, including GPRS-only and combined attaches.	Not Defined	Not Defined	Standard
sgsn	2G-total-attach-req	INT32	Incremental	active	Total number of 2G Attach Requests received from UEs.	Increments when the SGSN receives an IMSI-Attach Request (local) or a P-TMSI-Attach Request (foreign) from a UE.	per GPRS service, NSEI, RAI	Standard
sgsn	2G-total-comb-attach-req	INT32	Incremental	active	Total number of combined 2G Attach Request messages.	Not Defined	Not Defined	Standard
sgsn	3G-IMSI-Attch	INT32	Incremental	active	Total number of International Mobile Subscriber Identifier (IMSI) Attach Request messages for CS attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-IMSI-Attch-Combined	INT32	Incremental	active	Total number of IMSI and P-TMSI Attach Request messages for GPRS and IMSI (PS and CS) attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-IMSI-Attch	INT32	Incremental	active	Total number of IMSI Attach Request messages for CS in 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-IMSI-Attch-Combined	INT32	Incremental	active	Total number of IMSI and P-TMSI Attach Request messages for GPRS and IMSI (PS and CS) attach in 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ptmsi-Attch	INT32	Incremental	active	Total number of Packet-Temporary Mobile Subscriber Identifier (P-TMSI) Attach Request messages for CS attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-ptmsi-Attch-Combined	INT32	Incremental	active	Total number of P-TMSI Attach Request messages for combined GPRS and IMSI (PS and CS) in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-local-ptmsi-Attch	INT32	Incremental	active	Total number of local P-TMSI Attach Request messages for CS attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-local-ptmsi-Attch-comb	INT32	Incremental	active	Total number of local P-TMSI Attach Request messages for combined PS and CS attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-remote-ptmsi-Attch	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages for CS in 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-remote-ptmsi-Attch-comb	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages for combined PS and CS attach in 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-Attch	INT32	Incremental	active	Total number of P-TMSI Attach Request messages for CS attach in 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-Attch-Combined	INT32	Incremental	active	Total number of P-TMSI Attach Request messages for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-local-ptmsi-Attch	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages for CS in 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-local-ptmsi-Attch-comb	INT32	Incremental	active	Total number of local P-TMSI Attach Request messages for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-remote-ptmsi-Attch	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages for CS in 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-remote-ptmsi-Attch-comb	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-imsi-attach	INT32	Incremental	active	Total number of IMSI Attach Request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-imsi-attach-comb	INT32	Incremental	active	Total number of IMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-imsi-attach	INT32	Incremental	active	Total number of IMSI Attach Request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-imsi-attach-comb	INT32	Incremental	active	Total number of IMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-local-ptmsi-attach	INT32	Incremental	active	Total number of local-P-TMSI Attach Request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-local-ptmsi-attach-comb	INT32	Incremental	active	Total number of local P-TMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-local-ptmsi-attach	INT32	Incremental	active	Total number of local-P-TMSI Attach Request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-local-ptmsi-attach-comb	INT32	Incremental	active	Total number of local P-TMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-remote-ptmsi-attach	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-remote-ptmsi-attach-comb	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-remote-ptmsi-attach	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-remote-ptmsi-attach-comb	INT32	Incremental	active	Total number of remote P-TMSI Attach Request messages retransmitted for combined GPRS and IMSI (PS and CS) in 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-attach-accept	INT32	Incremental	active	Total number of Attach Request messages accepted for 3G service.	On sending a successful attach-accept with attach-result GPRS-only Attached.	per SGSN service, per RA	Standard
sgsn	3G-comb-attach-accept	INT32	Incremental	active	Total number of Attach Accept messages sent with attach result Combined GPRS/IMSI Attached in 3G service.	On sending a successful attach-accept with attach-result Combined attached.	per SGSN service, per RA	Standard
sgsn	3G-ret-attach-accept	INT32	Incremental	active	Total number of Attach Request accept messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-attach-accept-comb	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Request accept messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-attch-accept	INT32	Incremental	active	Total number of Attach Request messages accepted for 2G service.	On sending a successful attach-accept with attach-result GPRS-only Attached.	per GPRS Service	Standard
sgsn	2G-comb-attch-accept	INT32	Incremental	active	Total number of Attach Accepts sends with attach-result Combined GPRS/IMSI Attached in 2G service.	On sending a successful attach-accept with attach-result Combined attached.	Per GPRS Service	Standard
sgsn	2G-ret-attch-accept	INT32	Incremental	active	Total number of Attach Request accepted messages retransmitted for 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ret-attch-accept-comb	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Request accept messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-attach-complete	INT32	Incremental	active	Total number of attach procedures completed for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-attach-complete-with-dcnr	INT32	Incremental	active	Total number of attach procedures completed for 3G service with DCNR UEs.	Not Defined	Not Defined	Standard
sgsn	2G-attach-complete	INT32	Incremental	active	Total number of attach procedures completed for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-attach-complete-with-dcnr	INT32	Incremental	active	Total number of attach procedures completed with dcnr UE for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-attach-reject-all	INT32	Incremental	active	Total number of Attach Request messages rejected for for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-attach-reject	INT32	Incremental	active	Total number of Attach Rejects sent with individual causes against Attach Request of type GPRS Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	3G-attach-reject-comb	INT32	Incremental	active	Sum of all Attach-Reject counters with individual causes sent against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	2G-attach-reject-all	INT32	Incremental	active	Total number of Attach Request messages rejected for for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-attach-reject	INT32	Incremental	active	Total number of Attach Rejects sent with individual causes against Attach Requests of type GPRS Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn	2G-attach-reject-comb	INT32	Incremental	active	Sum of all Attach-Reject counters with individual causes sent against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS Service	Standard
sgsn	3G-attach-rej-imsi-unknown-at-hlr	INT32	Incremental	active	Total number of Attach Rejects sent with cause imsi unknown at hlr against Attach requests of type GPRS Attach in 3G service.	Counter When - the HLR sends a bad response to an SAI-Req or a GLU-Req, or - the SGSN gets zero authentication vectors from the HLR for a SAI-Req, or - when an operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-imsi-unknown-at-hlr	INT32	Incremental	active	Total number of Attach Rejects sent with cause imsi unknown at hlr against Attach requests of type GPRS Attach in 2G service.	#NAME?	Per GPRS Service	Standard
sgsn	3G-attach-rej-illegal-ms	INT32	Incremental	active	This stat currently not pegged -- for future use.	Not Defined	Not Defined	Standard
sgsn	2G-attach-rej-illegal-ms	INT32	Incremental	active	Total number of 2G Attach Requests rejected by the SGSN when authentication of the UE fails.	Increments when: A UE tries to attach to a 2G SGSN and the authentication and ciphering response timer expires. A UE tries to attach to a 2G SGSN and the authentication and ciphering response fails.A UE tries to attach to a 2G SGSN and the UE does not provide ID Response when SGSN sends IMSI Identity Request.	Per GPRS Service, NSEI, RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-rej-illegal-me	INT32	Incremental	active	Total number of 3G Attaches rejected when UE with prohibited IMEI tries to Attach to the SGSN. Attach is rejected by the SGSN after the EIR indicates that the subscriber is invalid.	SGSN rejects Attach because the subscriber's UE IMEI is prohibited and rejected by the EIR.	per SGSN service	Standard
sgsn	2G-attach-rej-illegal-me	INT32	Incremental	active	Total number of 2G Attach Requests rejected for UEs attempting to Attach with either a prohibited or blacklisted IMEI.	Increments when: - Attaching UE's IMEI is prohibited/blacklisted - UE does not provide ID Response when SGSN sends IMEI Identity Request.	per GPRS service, NSEI, RAI	Standard
sgsn	3G-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req. - for rejecting attaches due to subscriber control inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req. - for rejecting attaches due to subscriber control inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-gprs-and-non-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-gprs-and-non-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS Services not allowed against Attach requests of type GPRS Attach in 2G service.	Counter increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-rej-msid-not-derived-by-nwt	INT32	Incremental	active	Total number of Attach Rejects sent with cause msid not derived by nwt against Attach Requests of type GPRS Attach in 3G service.	Counter increments - on getting periodic RAU with old RAI as a non-local RAI. - when PTMSI-IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs. - when getting a RAU with old RAI in 2G and PTMSI is unknown. - when getting PTMSI-SIG-MISMATCH SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-msid-not-derived-by-nwt	INT32	Incremental	active	Total number of Attach Rejects sent with cause msid not derived by nwt against Attach Requests of type GPRS Attach in 2G service.	Increment - when SGSN-Context-Resp arrives with any cause other than accepted. - when GMM-Identity-Req with MS fails. - when GTP-Identity-Req with MS fails. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-implicitly-detach	INT32	Incremental	active	Total number of Attach Requests rejected with cause implicitly detached against Attach requests of type GPRS Attach in 3G service.	Increment - PTMSI unavailable during Attach - Call control profile configured to restrict attaches (attach restrict command). - CAMEL subscription check failed. - Attach Reject due to ARD restriction (Configurable with call-control-profile). - Iu released before Attach Accept sent to the MS. - Attach Reject sent for a subscriber already in 3G when 2G Attach is received. While 2G Attach trying to process if Cancel-Location or DSD received in 3G, 2G Attach is rejected with cause 'Implicitly-Detached'.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
						Increments - Lost/Bad radio signal .received before Attach Accept sent to MS. - Suspend message received while handling attach. - BVC reset or BVC Block received while handling attach. - T3350 timer (attach accept timer) expired. - Call control profile configured to restrict attaches (attach restrict command). - P-TMSI signature mismatch handler configured (gmm attach ptmsi-signature-mismatch send-reject failure-code 9 command of GPRS service) to send reject with failure cause IMPLICITLY_DETACHED - CAMEL subscription check failed. - Resource limit reached (resources such as memory or flow limit. - Attach Reject sent for a subscriber already in 3G when 2G Attach is received. While 2G Attach trying to process if Cancel-Location or DSD received in 3G, 2G Attach is rejected with cause 'Implicitly-Detached'.		
sgsn	2G-attach-rej-implicitly-detach	INT32	Incremental	active	Total number of Attach Requests rejected with cause implicitly detached against Attach requests of type GPRS Attach in 2G service.		per GPRS service	Standard
sgsn	3G-attach-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause plmn not allowed against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause plmn not allowed against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-la-not-allowed	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-attach-rej-la-not-allowed	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-roaming-not-allowed-in-this-location-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in this Location Area against Attach Requests of type GPRS Attach in 3G service.	1) When rejecting as a shared SGSN as operator not accepting the given IMSI. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-roaming-not-allowed-in-this-location-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in this Location Area against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-gprs-service-not-allowed-in-this-plmn	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed in this PLMN against Attach Requests of type GPRS Attach in 3G service.	1) On getting Roaming Not allowed from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-gprs-service-not-allowed-in-this-plmn	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed in this PLMN against Attach Requests of type GPRS Attach in 2G service.	1) On getting Roaming not allowed from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-no-suitable-cells-in-location-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cell in location area against Attach requests of type GPRS Attach in 3G service.	1) On getting UMTS Access Control from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-no-suitable-cells-in-location-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cell in location area against Attach requests of type GPRS Attach in 2G service.	1) On getting UMTS Access Control from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	2G-attach-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	3G-attach-rej-network-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type GPRS Attach in 3G service.	1) RNC is overloaded. 2) Not enough credits at session manager. 3) On getting cause data missing from HLR in SAI-Req/GLU-Req. 4) Too many IU's for the same IMSI. 5) On congestion, if configured for attach-throttling. 6) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	3G-attach-rej-network-failure-no-data-from-hlr	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR related GLU/SAI failure causes.	When SGSN receives failure response from the HLR	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-congestion-thrtl	INT32	Incremental	active	This proprietary counter tracks the total number of network overload protection Rejects received by the SGSN. Throttling is enabled, to avoid congestion, via the configuration on SGSN.	Whenever throttling , due to overload protection configuration, occurs.	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-opr-policy-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects (for GPRS) due to configured operator policy restrictions, such as Inter-RAT restrictions.	Whenever the configured operator policy restrictions are applied.	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-check-imei-timeout-eir	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to timeout for the Check-IMEI response from the EIR.	Whenever timeout occurs for the Check-IMEI response from the EIR.	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-rnc-ovld	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects for new Iu due to RNC overload.	When SGSN receives RNC overload indication.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-rej-network-failure-more-ius-same-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages, sent by the SGSN, with cause 'Network Failure', which were due to too many IUs Attaches at one time.	When there are too many 3G Attaches.	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-no-resource-intl-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages, sent by the SGSN, with cause 'Network Failure', which were due to internal failure.	Insufficient resources, SessMgr is recovering or terminating.	per GPRS service	Standard
sgsn	3G-attach-rej-network-failure-ext	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to external triggers with cause network failure.	Counter When on of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions. MS has too many Ius. RNC overloaded.	per SGSN service, per RA	Standard
sgsn	3G-attach-rej-network-failure-int	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to internal triggers with cause network failure.	Session Manager is out of credits.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-network-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type GPRS Attach in 3G service.	Not enough credits at session manager. On getting cause data missing from HLR in SAI-Req/GLU-Req. Too many IU's for the same IMSI. On congestion, if configured for attach-throttling. When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	2G-attach-rej-network-failure-no-data-from-hlr	INT32	Incremental	active	This proprietary counter tracks the total number of rejects due to the HLR-related UGL and SAI failure causes.	Incremenets when SGSN receives a failure response from the HLR.	per GPRS service	Standard
sgsn	2G-attach-rej-network-failure-congestion-thrtl	INT32	Incremental	active	This proprietary counter tracks the total number of network overload protection Rejects received by the SGSN. Throttling is enabled to avoid congestion, via the configuration on SGSN.	Throttling of Attach (for GPRS Attach) due to overload protection configuration.	per GPRS service	Standard
sgsn	2G-attach-rej-network-failure-opr-policy-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects (for GPRS) due to configured operator policy restrictions.	Whenever operator policy restrictions are applied, such as inter RAT restrictions.	per GPRS service	Standard
sgsn	2G-attach-rej-network-failure-check-imei-timeout-eir	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to timeout for Check-IMEI Response from the EIR.	Whenever Timeout for Check-IMEI Response from the EIR.	per GPRS service	Standard
sgsn	2G-attach-rej-network-failure-ext	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to external triggers with cause network failure.	When one of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-attach-rej-network-failure-int	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to internal triggers with cause network failure.	No internal triggers at this time - this statistic is a placeholder for future development.	per GPRS service	Standard
sgsn	3G-attach-rej-mac-failure	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn	2G-attach-rej-mac-failure	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn	3G-attach-rej-sync-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause sync failure against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-sync-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause sync failure against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-congestion	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach Request of type GPRS Attach in a 3G service.	Increments - on congestion, if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-congestion	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to network congestion.	Increments - on congestion, if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm auth unacceptable against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm auth unacceptable against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-no-pdp-ctx-activated	INT32	Incremental	active	Total number of Attach Rejects sent with cause no pdp ctx activated against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-no-pdp-ctx-activated	INT32	Incremental	active	Total number of Attach Rejects sent with cause no pdp ctx activated against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry from new cell against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry from new cell against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem wrong msg against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem wrong msg against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-invalid-mand-info	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid mand info against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-invalid-mand-info	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid mand info against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-msg-type-not-exist	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not exist against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-msg-type-not-exist	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not exist against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-msg-type-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not comp prot state against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-msg-type-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not comp prot state against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-ie-non-existent	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie non existent against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-attach-rej-ie-non-existent	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie non existent against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-conditional-ie-err	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional ie err against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-conditional-ie-err	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional ie err against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-msg-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg not comp prot state against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS. - when getting periodic RAU in a direct transfer message. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-msg-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg not comp prot state against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-protocol-error	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol error against Attach Requests of type GPRS Attach in 3G service.	Increments When getting an appropriate decode error. When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-protocol-error	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol error against Attach Requests of type GPRS Attach in 2G service.	Increments - when the PLMN-id in BSSGP message does not match the configured PLMN at GPRS-service. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-attach-rej-unknown-cause	INT32	Incremental	active	Total number of Attach Rejects sent with cause unknown cause against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-attach-rej-unknown-cause	INT32	Incremental	active	Total number of Attach Rejects sent with cause unknown cause against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-attach-rej-imsi-unknown-at-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to IMSI not known at HLR.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-imsi-unknown-at-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to IMSI not known at HLR.	Not Defined	Not Defined	Standard
sgsn	3G-comb-attach-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-comb-attach-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	3G-comb-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	1) On getting a cl (subs-with) while a RAU/attach is in progress. 2) On getting Subscriber Unknown failure from hlr for glu/sai-req. 3) For rejecting attaches due to subscriber-control-inactivity. 4) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-gprs-service-not-allowed	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from hlr for glu/sai-req. - for rejecting attaches due to subscriber-control-inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-gprs-and-non-gprs-svc-not-allow	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	- on getting Imsi unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-gprs-and-non-gprs-svc-not-allow	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting Imsi unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-msid-not-derived-by-nwt	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as network failed to derive MSID from request message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-attach-rej-msid-not-derived-by-nwt	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service as network failed to derive MSID from request message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-attach-rej-implicitly-detach	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as subscriber implicitly detached from network.	Increment - PTMSI unavailable during Attach. - Call control profile configured to restrict attaches (attach restrict command). - CAMEL subscription check failed. - Attach Reject due to ARD restriction. - Iu released before Attach Accept sent to the MS. - Attach Reject sent for a subscriber already in 2G, but Cancel-location or DSD received in 2G while processing 3G Attach.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-implicitly-detach	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as subscriber implicitly detached from network.	Increments - Lost/Bad radio signal .received before Attach Accept sent to MS. - Suspend message received while handling attach. - BVC reset or BVC Block received while handling attach. - T3350 timer (attach accept timer) expired. - Call control profile configured to restrict attaches (attach restrict command). - P-TMSI signature mismatch handler configured (gmm attach ptmsi-signature-mismatch send-reject failure-code 9 command of GPRS service) to send reject with failure cause IMPLICITLY_DETACHED - CAMEL subscription check failed. - Resource limit reached (resources such as memory or flow limit}.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-plmn-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-plmn-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-comb-attach-rej-la-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-la-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-roam-not-allow-in-loc-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in LA against attached request of type Combined GPRS/IMSI Attach in 3G service.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-roam-not-allow-in-loc-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in LA against attached request of type Combined GPRS/IMSI Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-gprs-svc-not-allow-in-plmn	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Service Not Allowed in PLMN against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-gprs-svc-not-allow-in-plmn	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Service Not Allowed in PLMN against Attach Requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-no-suitable-cells-in-loc-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cells in LA against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-no-suitable-cells-in-loc-area	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cells in LA against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-msc-not-reachable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-msc-not-reachable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-attach-rej-network-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req. - on XID failure for RAU. - inability to send an SGSN-CTX-Req out for an RAU. - inability to send a Check-IMEI Request out. - on congestion, if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	3G-comb-attach-rej-network-failure-no-data-from-hlr	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR related GLU/SAI failure causes.	Failure response from HLR for combined GPRS/IMSI Attach.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-congestion-thrtl	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects due to network overload protection configuration. Throttling is enabled, via SGSN configuration, to avoid congestion.	Throttling of Attach (for combined GPRS/IMSI Attach) occurs due to overload protection configuration.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-opr-policy-failure	INT32	Incremental	active	Th is proprietary counter tracks the total number of Attach Rejects (for combined GPRS/IMSI) due to the configured operator policy restrictions.	Whenever operator policy restrictions, such as Inter-RAT restrictions, are applied.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-check-imei-timeout-eir	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects that are due to timeout for the Check-IMEI Response from the EIR	Timeout for the Check-IMEI Response, from the EIR, for combined GPRS/IMSI.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-rnc-ovld	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects for new IU (combined GPRS/IMSI Attach) due to RNC overload.	When SGSN receives RNC overload indication for combined GPRS/IMSI.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-more-ius-same-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages, sent by the SGSN, with cause of too many IUs due to combined GPRS/IMSI Attaches.	Too many 3G Attaches attempted.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-no-resource-intl-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages, sent by the SGSN, with cause 'Network Failure', which were due to internal failure.	Insufficient resources, SessMgr is recovering or terminating.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-network-failure-ext	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to external triggers with cause network failure.	Counter When on of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions. MS has too many Ius. RNC overloaded.	per SGSN service, per RA	Standard
sgsn	3G-comb-attach-rej-network-failure-int	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to internal triggers with cause network failure.	Session Manager is out of credits.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-attach-rej-network-failure	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req. - on XID failure for RAU. - inability to send an SGSN-CTX-Req out for an RAU. - inability to send a Check-IMEI Request out. - on congestion, if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-no-data-from-hlr	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR-related UGL and SAI failure causes.	Failure response from HLR for combined GPRS/IMSI Attach.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-congestion-thrtl	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects due to network overload protection configuration. Throttling is enabled, via SGSN configuration, to avoid congestion.	Throttling of Attach (for combined GPRS/IMSI Attach) occurs due to overload protection configuration.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-opr-policy-failure	INT32	Incremental	active	Th is proprietary counter tracks the total number of Attach Rejects (for combined GPRS/IMSI) due to the configured operator policy restrictions.	Whenever operator policy restrictions, such as Inter-RAT restrictions, are applied.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-check-imei-timeout-eir	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects that are due to timeout for the Check-IMEI Response from the EIR	Timeout for the Check-IMEI Response, from the EIR, for combined GPRS/IMSI.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-ext	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to external triggers with cause network failure.	When one of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions.	per GPRS service	Standard
sgsn	2G-comb-attach-rej-network-failure-int	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to internal triggers with cause network failure.	No internal triggers at this time - this statistic is a placeholder for future development.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-mac-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-mac-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn	3G-comb-attach-rej-sync-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn	2G-comb-attach-rej-sync-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-attach-rej-congestion	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on congestion, if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-congestion	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach requests of type Combined GPRS/IMSI Attach in the 2G service.	Increments - on congestion, if configured for attach-throttling. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-attach-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm-auth-unacceptable against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm-auth-unacceptable against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-no-pdp-ctx-activated	INT32	Incremental	active	Total number of Attach Rejects sent with cause no-pdp-ctx-activated against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-no-pdp-ctx-activated	INT32	Incremental	active	Total number of Attach Rejects sent with cause no-pdp-ctx-activated against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry-from-new-cell against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry-from-new-cell against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem-wrong-msg against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem-wrong-msg against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-invalid-mand-info	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid-mand-info against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-attach-rej-invalid-mand-info	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid-mand-info against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-msg-type-not-exist	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-exist against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-msg-type-not-exist	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-exist against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-msg-type-not-comp-pstate	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-comp-pstate against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-msg-type-not-comp-pstate	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-comp-pstate against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-ie-non-existent	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie-non-existent against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-ie-non-existent	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie-non-existent against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-conditional-ie-err	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional-ie-err against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-conditional-ie-err	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional-ie-err against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-attach-rej-msg-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-not-comp-prot-state against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	Increments - when SGSN receives an Attach Request before getting Relocation-Complete during SRNS. - when SGsN receives periodic RAU in a Dir-Transfer message. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-msg-not-comp-prot-state	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-not-comp-prot-state against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-protocol-error	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol-error against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-protocol-error	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol-error against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - when the PLMN ID in the MSSGP message does not match the configured PLMN in the GPRS Service. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-attach-rej-unknown-cause	INT32	Incremental	active	Total number of Attach Rejects sent with any cause other than those captured in stats already listed against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-attach-rej-unknown-cause	INT32	Incremental	active	Total number of Attach Rejects sent with any cause other than those captured in stats already listed against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-total-attach-fail	INT32	Incremental	active	Total number of Attach Requests of type GPRS Attach that were dropped from processing in 3G service.	When - another Attach, differing from this Attach, was received and pre-empted existing Attach procedure. - Iu released while the Attach procedure was in progress.	per SGSN service, per RA	Standard
sgsn	3G-total-attach-fail-comb	INT32	Incremental	active	Total number of Attach Requests of type Combined GPRS/IMSI Attach that were dropped from processing in 3G service.	When - another Attach, differing from this Attach, was received and pre-empted existing Attach procedure. - Iu released while the Attach procedure was in progress.	per SGSN service, per RA	Standard
sgsn	3G-total-attach-fail-all	INT32	Incremental	active	Sum of 3G-total-attach-fail + 3G-total-attach-fail-comb.	n/a	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-total-attach-fail	INT32	Incremental	active	Total number of Attach Requests of type GPRS Attach that were dropped from processing in 2G service.	When another Attach, differing from current Attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn	2G-attach-fail-suspend-received	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach failures due to Suspend Request received from the MS.	SGSN received a Suspend Request from the MS.	per GPRS service	Standard
sgsn	2G-attach-fail-bvc-rst-received	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach failures due to BVC Reset received from the BSS.	SGSN receives a BVC Reset from the BSS.	per GPRS service	Standard
sgsn	2G-attach-fail-sai-failure	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach failures due to SAI failure.	Counter When either of the following occurs: SAI response timeout Negative response for SAI Request from HLR	per GPRS service	Standard
sgsn	2G-attach-fail-auth-tmr-expiry	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to expiry of the Auth timer.	Auth timer expires during authentication.	per GPRS service	Standard
sgsn	2G-attach-fail-sgsn-init-detach	INT32	Incremental	active	The total number of GPRS Attach failures because of an SGSN-initiated Detach.	Counter When one of the following occurs: Ciphering algorithm negotiation failure and configuration enabled to reject the attach procedure. IMEI is blacklisted under IMEI profile in SGSN. Cancel location type Subscription withdrawn. Admin clears subscribers.	per GPRS service	Standard
sgsn	2G-attach-fail-plmn-check-failed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-attach-fail-identity-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to Identity failure.	Counter When either of the following occurs: Identity response timeout (IMSI, IMEI/IMEISV) Negative response for identity request (IMSI, IMEI/IMEISV) from MS	per GPRS service	Standard
sgsn	2G-attach-fail-radio-status-cell-resel	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to to radio status cell reselection.	Radio status cell reselection occurs.	per GPRS service	Standard
sgsn	2G-attach-fail-check-imei-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to to Check IMEI Response Failure.	When either of the following occurs: Check IMEI response timeout from EIR. IMEI being Black Listed in the EIR.	per GPRS service	Standard
sgsn	2G-attach-fail-rej-due-to-congestion	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to throttling because of congestion.	Throttling occurs due to congestion.	per GPRS service	Standard
sgsn	2G-attach-fail-camel-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to CAMEL failure.	When either of the following occurs: CAMEL response timeout. CAMEL release response.	per GPRS service	Standard
sgsn	2G-attach-fail-radio-status-bad	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to occurrence of Radio Status Bad.	Bad Radio Status received from the BSS.	per GPRS service	Standard
sgsn	2G-attach-fail-t3350-expiry	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to T3350 timer expiry.	T3350 timer expires prior to receiving the Attach Accept.	per GPRS service	Standard
sgsn	2G-attach-fail-auth-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to Auth response failure.	XRES mismatch in Auth Response occurs during authentication.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-attach-fail-glu-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to UGL failure.	Increments in response to: UGL response timeout Negative response for UGL request from HLR	per GPRS service	Standard
sgsn	2G-attach-fail-ms-init-detach	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to SGSN receiving Detach Request from the MS.	SGSN received a Detach Request from an MS.	per GPRS service	Standard
sgsn	2G-attach-fail-opr-policy-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to Operator Policy restrictions.	Operator Policy includes restrictions.	per GPRS service	Standard
sgsn	2G-attach-fail-cl-init-detach	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to the SGSN receiving a Cancel Location Request from the HLR.	Cancel Location Request is received from the HLR.	per GPRS service	Standard
sgsn	2G-attach-fail-abort-on-attach	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to abort during attach.	MS does 3G Attach when 2G Attach is in progress.	per GPRS service	Standard
sgsn	2G-attach-fail-attach-on-attach	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to attach on attach.	MS tries to attach again when attach is in progress.	per GPRS service	Standard
sgsn	2G-attach-fail-ready-tmr	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to expiration of the READY timer.	READY Timer expiry.	per GPRS service	Standard
sgsn	2G-attach-fail-camel-srv-not-assoc	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to CAMEL service not being associated with the GPRS service.	CAMEL service not associated with GPRS service for the Prepaid type MS.	per GPRS service	Standard
sgsn	2G-attach-fail-p-tmsi-sign-mismatch	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to PTMSI signature mistmatch.	Configuration enables SGSN to reject the Attach Request when PTMSI signature mismatch occurs.	per GPRS service	Standard
sgsn	2G-attach-fail-xid-resp-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to XID response failure.	LLC XID error response for XID Request.	per GPRS service	Standard
sgsn	2G-attach-fail-internal-failure	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to Internal Failures.	Any one of the following: Invalid DB record. Attach Request PDU corruption. Application initiated abort on the attach procedure. Identity request sending failure from the stack. Failure in decoding the CLP from the PTMSI. Resource allocation failure. CLP recreation failing during the inter RAT.	per GPRS service	Standard
sgsn	2G-total-attach-fail-comb	INT32	Incremental	active	Total number of Attach Requests of type Combined GPRS/IMSI Attach that were dropped from processing in 2G service.	When another Attach, differing from current Attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-suspend-received	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to SGSN receiving a Suspend Request from the MS.	Suspend Request from MS	per GPRS service	Standard
sgsn	2G-attach-fail-comb-bvc-rst-received	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to SGSN receiving a BVC reset from the BSS.	BVC Reset from the BSS.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-sai-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to SAI failure.	Any one of the following: SAI Response timeout. Negative response for SAI Request from the HLR.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-auth-tmr-expiry	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to Auth timer expiry.	Auth timer expires during authentication.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-attach-fail-comb-sgsn-init-detach	INT32	Incremental	active	TThis counter tracks the total number of COMBO Attach failures due to SGSN-initiated Detach.	Any one of the following: Ciphering algorithm negotiation failure and configuration enabled to reject the attach procedure. IMEI is blacklisted under IMEI profile in SGSN. Cancel location type Subscription withdrawn. Admin clears subscribers.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-plmn-check-failed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-attach-fail-comb-identity-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to Identity failure.	Either one of the following occurs: Identity Response timeout (IMSI, IMEI/IMEISV). Negative response for Identity Request (IMSI, IMEI/IMEISV) from MS.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-radio-status-cell-resel	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to radio status cell reselection.	Radio status cell reselection.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-check-imei-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to Check IMEI Response failure.	Either one of the following occurs: Check IMEI response timeout from EIR. IMEI being Black Listed in the EIR.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-rej-due-to-congestion	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to throttling which has occurred in response to congestion.	Throttling due to congestion.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-camel-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to CAMEL failure.	Either one of the following: CAMEL response timeout. CAMEL release response.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-radio-status-bad	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to the SGSN receiving Bad Radio Status from the BSS.	Bad Radio Status received from the BSS.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-t3350-expiry	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to the expiration of the T3350 timer for the Attach Accept.	T3350 timer expiry for Attach Accept.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-auth-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to Auth response failure.	XRES mismatch in Auth Response during authentication.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-glu-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to UGL failure.	Either of the following: UGL Response timeout. Negative response for UGL Request from the HLR.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-ms-init-detach	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to SGSN receiving Detach Request from the MS.	Detach Request received from the MS.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-opr-policy-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to Operator Policy restrictions.	Restrictions configured in the operator policy.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-cl-init-detach	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures because the SGSN has received a Cancel Location Request from the HLR.	Cancel Location Request from HLR.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-abort-on-attach	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to abort during attach.	MS does 3G Attach when 2G Attach is in progress.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-attach-fail-comb-attach-on-attach	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to attempting an attach during an attach.	MS does attach when attach is in progress.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-ready-tmr	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to READY timer expiring.	READY timer expires.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-camel-srv-not-assoc	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to CAMEL service not being associated with the GPRS service.	CAMEL service not associated with GPRS service for the Prepaid type MS.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-p-tmsi-sign-mismatch	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures because the SGSN has been configured to reject Attach Requests when PTMSI signature mismatch occurs.	PTMSI signature mismatch.	per GPRS service	Standard
sgsn	2G-attach-fail-comb-xid-resp-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to XID Response failure at the LLC.	Not Defined	per GPRS service	Standard
sgsn	2G-attach-fail-comb-internal-failure	INT32	Incremental	active	This counter tracks the total number of COMBO Attach failures due to internal failures.	Any one of the following: Invalid DB record. Attach Request PDU corruption. Application initiated abort on the attach procedure. Identity request sending failure from the stack. Failure in decoding the CLP from the PTMSI. Resource allocation failure. CLP recreation failing during the inter RAT.	per GPRS service	Standard
sgsn	2G-total-attach-fail-all	INT32	Incremental	active	Sum of the stats for 2G-total-attach-fail + 2G-total-attach-fail-comb.	n/a	per GPRS service	Standard
sgsn	3G-attach-fail-iu_release	INT32	Incremental	active	Total number of attach procedures failed for 3G service due to Iu interface release.	Not Defined	Not Defined	Standard
sgsn	3G-attach-fail-iu_release-external	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	The counter When any one of the following occurs: Iu Release request from RNC before attach complete. RAI deletion form the configuration. RNC deletion from the configuration. Identity response(for IMSI or IMEI) timeout. Authentication response timeout. Detach request from MS during attach procedure. Security mode control failure due to RNC. Inter RAT to 2G before during attach procedure. Outbound inter SGSN RAU during attach procedure. Attaching to multiple IUPS services.	per SGSN service, per RA	Standard
sgsn	3G-attach-fail-iu_release-internal	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-fail-ongoing-proc	INT32	Incremental	active	This proprietary counter indicates the total number of attach procedures failed for 3G service due to a new attach received.	When we abort an ongoing attach due to another new attach in 3G.	per SGSN service, per RA	Standard
sgsn	2G-attach-fail-ongoing-proc	INT32	Incremental	active	This proprietary counter indicates the total number of Attach procedures failed for 2G service due to a new attach received.	Counter increments when one of the following occurs during Attach procedure: Suspend occurs Radio-status is lost BVC-block occurs BVC-Reset received T3350 timer expires T3360 timer expires Authentication failure SAI failure XID timer expires GPRS location update failure Another Attach received from MS before current Attach is completed IMEI response failure Core network-initiated Detach MS-initiated Detach Operator policy check failure at SGSN Ready timer expiry before Attach Accept sent Cancel Location is received while Attach is ongoing GMM identity response failure CAMEL subscription failure Congestion failure Configuration enabled to reject the Attach procedure in case of P-TMSI signature mismatch	per GPRS service	Standard
sgsn	2G-simple-attach-rej-randomtlli-collision	INT32	Incremental	active	Total number of times the SGSN has rejected an Attach Request with Random TLLI received in GPRS access,if it was received while the SGSN was processing another Attach Request with the same Random TLLI.	Based on settings for the SGSN Global Configuration gmm-message command, the SGSN rejects attach requests due to same Random TLLI collisions.	per GPRS service and per RA	Standard
sgsn	3G-attach-fail-iu_release-comb	INT32	Gauge	active	Total number of combined (GPRS and IMSI) attach procedures failed due to Iu released for 3G service.	Not Defined	Nothing	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-attach-fail-iu_release-comb-external	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	The counter When any one of the following occurs: Iu Release request from RNC before attach complete. RAI deletion form the configuration. RNC deletion from the configuration. Identity response(for IMSI or IMEI) timeout. Authentication response timeout. Detach request from MS during attach procedure. Security mode control failure due to RNC. Inter RAT to 2G before during attach procedure. Outbound inter SGSN RAU during attach procedure. Attaching to multiple IUPS services.	per SGSN service, per RA	Standard
sgsn	3G-attach-fail-iu_release-comb-internal	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Failures due to the Iu being released before the Attach complete due to internal triggers in the 3G service.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard
sgsn	3G-attach-fail-ongoing-proc-comb	INT32	Incremental	active	Total number of combined (GPRS and IMSI) attach procedures failed due to on going attach procedures for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-attach-fail-ongoing-proc-comb	INT32	Incremental	active	Total number of combined (GPRS and IMSI) attach procedures failed due to on going attach procedures for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-combined-attach-rej-randomtlli-collision	INT32	Incremental	active	Total number of times the SGSN has rejected an combined-Attach Request with Random TLLI received in GPRS access,if it was received while the SGSN was processing another Attach Request with the same Random TLLI.	Based on settings for the SGSN Global Configuration gmm-message command, the SGSN rejects attach requests due to same Random TLLI collisions.	per GPRS service and per RA	Standard
sgsn	3G-intra-rau	INT32	Incremental	active	Total number of 3G Intra-SGSN RAU messages received from UEs.	Increments when the UE has moved to a new RA/BSC that is attached to this SGSN (the same SGSN).	per SGSN service	Standard
sgsn	2G-intra-rau	INT32	Incremental	active	Total number of 2G Intra-SGSN RAU messages received from UEs.	Increments when the UE has moved to a new RA/BSC that is attached to this SGSN (the same SGSN).	per GPRS service, NSEI, RAI	Standard
sgsn	3G-periodic-rau	INT32	Incremental	active	Total number of periodic routing area updates received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-periodic-rau	INT32	Incremental	active	Total number of periodic routing area updates received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-intra-comb-rau	INT32	Incremental	active	Total number of intra SGSN combined (GPRS and IMSI) routing area updates received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-intra-comb-rau	INT32	Incremental	active	Total number of intra SGSN combined (GPRS and IMSI) routing area updates received for 2G service. Type : Counter	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-inter-sgsn-rau	INT32	Incremental	active	Total number of times the SGSN receives 3G Inter-SGSN RAUs from UEs.	Increments for Inter-SGSN RAU, so when the UE, attached to some other SGSN, performs a RAU to this SGSN.	per SGSN service	Standard
sgsn	2G-inter-sgsn-rau	INT32	Incremental	active	Total number of 2G Inter-SGSN RAU received from UEs.	Increments when the SGSN receives a 2G Inter-SGSN RAU from a UE because the UE has performed a 2G RAU to change attachment to this SGSN.	per GPRS service, NSEI, RAI	Standard
sgsn	3G-inter-sgsn-comb-rau	INT32	Incremental	active	Total combined (GPRS and IMSI) inter-SGSN-RA update request messages for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-inter-sgsn-comb-rau	INT32	Incremental	active	Total combined (GPRS and IMSI) inter-SGSN-RA update request messages for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-intra-rau	INT32	Incremental	active	Total routing area update request messages retransmitted for intra-SGSN RA updates for 3G.	Not Defined	Not Defined	Standard
sgsn	2G-ret-intra-rau	INT32	Incremental	active	Total routing area update request messages retransmitted for intra-SGSN RA updates for 2G.	Not Defined	Not Defined	Standard
sgsn	3G-ret-periodic-rau	INT32	Incremental	active	Total periodic intra-RA update messages retransmitted for 3G.	Not Defined	Not Defined	Standard
sgsn	2G-ret-periodic-rau	INT32	Incremental	active	Total periodic intra-RA update messages retransmitted for 2G.	Not Defined	Not Defined	Standard
sgsn	3G-ret-inter-sgsn-rau	INT32	Incremental	active	Total packet switched inter-SGSN-RA update request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-inter-sgsn-rau	INT32	Incremental	active	Total packet switched inter-SGSN-RA update request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-rau-accept-intra	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests with update type RA Updating in 3G service.	Increments on sending a successful RAU-Accept with update-result RA Updating.	per SGSN service, per RA	Standard
sgsn	3G-comb-upd-rau-accept-intra	INT32	Incremental	active	Total number of RAU-Accepts sent against intra-SGSN-RAU requests with update type Combined RA/LA update in 3G service.	Increments on sending a successful rau-accept with update-result Combined RA/LA updated.	Not Defined	Standard
sgsn	3G-rau-accept-inter	INT32	Incremental	active	Sum of all RAU-Accepts sent against inter-SGSN-RAU requests with update type RA Updating in 3G service.	Increments on sending a successful RAU-Accept with update-result RA Updating.	per SGSN service, per RA	Standard
sgsn	3G-comb-upd-rau-accept-inter	INT32	Incremental	active	Total number of RAU-Accepts sent against inter-SGSN-RAU requests with update type Combined RA/LA Update in 3G service.	Increments on sending a successful rau-accept with update-result Combined RA/LA Updated.	per SGSN service, per RA	Standard
sgsn	2G-rau-accept-intra	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests with update type RA Updated in 2G service.	Increments on sending a successful RAU-Accept with update-result RA Updated.	per GPRS service	Standard
sgsn	2G-comb-upd-rau-accept-intra	INT32	Incremental	active	Total number of RAU-Accepts sent against intra-SGSN-RAU requests with update type Combined RA/LA Update in 2G service.	Increments on sending a successful RAU-accept with update-result Combined RA/LA Updated.	per GPRS service	Standard
sgsn	2G-rau-accept-inter	INT32	Incremental	active	Sum of all RAU-Accepts sent against inter-SGSN-RAU requests with update type RA Updated in 2G service.	Increments on sending a successful RAU-Accept with update-result RA Updated.	per GPRS service	Standard
sgsn	2G-comb-upd-rau-accept-inter	INT32	Incremental	active	Total number of RAU-Accepts sent against inter-SGSN-RAU requests with update type Combined RA/LA update in 2G service.	Increments on sending a successful rau-accept with update-result Combined RA/LA updated.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-rau-accept-periodic	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests of type Periodic Updating with update type RA updating in 3G service.	Increments on sending a successful RAU-Accept with update-result Periodic Updating.	per SGSN service, per RA	Standard
sgsn	2G-rau-accept-periodic	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests of type Periodic Updating with update type RA updated in 2G service.	Increments on sending a successful RAU-Accept with update-result Periodic Updated.	per GPRS service	Standard
sgsn	3G-ret-rau-accept-intra	INT32	Incremental	active	Total number of intra-SGSN routing area update accept messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-rau-accept-intra	INT32	Incremental	active	Total number of intra-SGSN routing area update accept messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-rau-accept-inter	INT32	Incremental	active	Total number of inter-SGSN routing area update accept messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-rau-accept-inter	INT32	Incremental	active	Total number of inter-SGSN routing area update accept messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-rau-accept-periodic	INT32	Incremental	active	Total number of periodic routing area update accept messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-rau-accept-periodic	INT32	Incremental	active	Total number of periodic routing area update accept messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-rau-complete	INT32	Incremental	active	Total number of routing area update complete messages for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-rau-complete	INT32	Incremental	active	Total number of routing area update complete messages for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-rau-reject	INT32	Incremental	active	Total number of routing area update reject messages for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type RA Updating in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	3G-periodic-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Periodic RA Updating in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	3G-inter-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against inter-SGSN-RAU requests of type RA Updating in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	3G-comb-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	3G-comb-inter-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	2G-rau-reject	INT32	Incremental	active	Total number of routing area update messages rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type RAU Updating in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn	2G-periodic-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Periodic RA Updating in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn	2G-inter-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against inter-SGSN-RAU requests of type RAU Updating in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn	2G-comb-inter-rau-reject	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn	3G-rau-rej-imsi-unknown-hlr	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-imsi-unknown-hlr	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-illegal-ms	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-illegal-ms	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-illegal-me	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-illegal-me	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-gprs-svc-not-allow	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-gprs-svc-not-allow	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-gprs-and-nongprs-svc-not-allow	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-gprs-and-nongprs-svc-not-allow	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-msid-not-derived-by-nw	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-msid-not-derived-by-nw	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-implicitly-detach	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-implicitly-detach	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-plmn-not-allowed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-plmn-not-allowed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-location-area-not-allowed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-location-area-not-allowed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-roam-not-allowed-in-larea	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-roam-not-allowed-in-larea	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-gprs-svc-not-allowed-in-plmn	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-gprs-svc-not-allowed-in-plmn	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-no-cells-in-location-area	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-no-cells-in-location-area	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-msc-not-reachable	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-msc-not-reachable	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-network-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-network-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-mac-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-mac-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-syn-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-syn-failure	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-congestion	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-congestion	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-gsm-auth-unacceptable	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-gsm-auth-unacceptable	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-no-pdp-ctx-actv	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-rau-rej-no-pdp-ctx-actv	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-retry-from-new-cell	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-retry-from-new-cell	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-sem-wrong-msg	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-sem-wrong-msg	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-inval-mand-info	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-inval-mand-info	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-msg-type-non-exist	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-msg-type-non-exist	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-mtype-not-compat-prot-state	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-mtype-not-compat-prot-state	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-ie-non-existent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-ie-non-existent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-cond-ie-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-cond-ie-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-msg-not-compat-prot-state	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-msg-not-compat-prot-state	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-prot-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-prot-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-rau-rej-unknown-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-rau-rej-unknown-error	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-illegal-ms	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-illegal-ms	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-illegal-me	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-illegal-me	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-gprs-svc-not-allw	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-gprs-svc-not-allw	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-intra-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-plmn-not-allowed	INT32	Incremental	active	The total intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-loc-area-not-allow	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-loc-area-not-allow	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-roam-not-allow-larea	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-roam-not-allow-larea	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-gprs-svc-not-allow-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-rau-rej-gprs-svc-not-allow-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-intra-rau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network failure.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network failure.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-intra-rau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-congestion	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-congestion	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-intra-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-msg-incompat-prot-state	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-msg-incompat-prot-state	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-prot-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-prot-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	3G-intra-rau-rej-unknown-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	2G-intra-rau-rej-unknown-error	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-illegal-ms	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-illegal-ms	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-illegal-me	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-illegal-me	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-intra-prau-rej-implicitly-detach	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-implicitly-detach	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-plmn-not-allowed	INT32	Incremental	active	The total periodic intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	larea	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update in specific location area.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed in specific PLMN.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed in specific PLMN.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type periodic updating, for 3G service that were rejected with reject messages sent with a cause of No Suitable Cells In Location Area.	Increments: - upon receiving a UMTS access control message from a Siemens HLR for a sai-req (service area identify request). - when an operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-prau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type periodic updating, for 2G service that were rejected where rau-reject messages were sent with a cause of No Suitable Cells In Location Area.	Increments: - upon receiving a UMTS access control message from a Siemens HLR for a sai-req (service area identify request). - when an operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-intra-prau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type periodic updating, for 3G service that were rejected where rau-reject messages were sent with a cause of MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-prau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type periodic updating, for 2G service that were rejected where rau-reject messages were sent with a cause of MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-intra-prau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 3G service that were rejected where the rau-reject message was sent with a cause Network Failure	Increments : - if RNC is overloaded. - if not enough credits at session manager. - upon receiving sai-request with cause of data missing from hlr . - if there are too many IU's for the same subscriber. - upon receiving RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-prau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 2G service that were rejected where the rau-reject message was sent with a cause Network Failure	Increments : - upon receiving a sai-req with cause data missing from hlr. - on XID failure for RAU. - if unable to send a check-imei request out. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-intra-prau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 3G service that were rejected where the rau-reject message was sent with a cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-prau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 2G service that were rejected where the rau-reject message was sent with a cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-intra-prau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 3G service that were rejected where the rau-reject message was sent with a cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-intra-prau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests, of type period updating, for 2G service that were rejected where the rau-reject message was sent with a cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-intra-prau-rej-congestion	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-congestion	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-intra-prau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-inval-mand-info	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-inval-mand-info	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-ie-non-existent	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-ie-non-existent	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-cond-ie-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-cond-ie-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-msg-incompat-pstate	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-msg-incompat-pstate	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-prot-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	2G-intra-prau-rej-prot-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	3G-intra-prau-rej-unknown-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-intra-prau-rej-unknown-error	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-plmn-not-allowed	INT32	Incremental	active	The total intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-rau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increment - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU reject messages sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-rau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause No Suitable Cells In Location Area.	Increments: - upon receiving UMTS access control for the SAI-Request from the Siemens HLR. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-no-cells-in-loc-area	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause No Suitable Cells In Location Area.	Increments: - upon receiving UMTS access control for the SAI-Request from the Siemens HLR. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-comb-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-rau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MSC temporarily not reachable.	Increments: - if the RNC is overloaded. - if there is not enough credits at session manager. - upon receiving cause data missing from hlr in the SAI-request. - if there are too many IU's for the same subscriber. - upon receiving an RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-network-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MSC temporarily not reachable.	Increments - if there is not enough credits at session manager. - upon receiving cause data missing from hlr in the SAI-request. - if there are too many IU's for the same subscriber. - upon receiving an RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-comb-rau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-mac-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-comb-rau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-rau-rej-syn-failure	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service, of type Combined RA/LA update or Combined RA/LA update with IMSI Attach, sent with cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn	3G-comb-rau-rej-congestion	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-congestion	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-msg-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-msg-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-rau-rej-prot-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-prot-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-rau-rej-unknown-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	2G-comb-rau-rej-unknown-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	3G-inter-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of RAU rejects sent with cause imsi-unknown-in-hlr against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on HLR sending a bad response to an SAI-Req or a GLU-Req. - on receiving zero (0) authorization vectors for HLR for SAI-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of RAU rejects sent with cause imsi-unknown-in-hlr against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on HLR sending a bad response to an SAI-Req or a GLU-Req. - on receiving zero (0) authorization vectors for HLR for SAI-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-illegal-ms	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-ms against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when an Xres mismatch, followed by identity procedure, results in same IMSI. - upon receiving a bad identity-type for an Identity Request (type IMSI) that was initiated after an Xres mismatch. - after a security command failure. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-illegal-ms	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-ms against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-inter-rau-rej-illegal-me	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-me against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when unable to retrieve IMEI/IMEISV from the ms. - upon failure of IMEI verification with the EIR. - upon getting unknown equipment failure from EIR/HLR. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-illegal-me	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-me against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon failure of IMEI verification with the EIR. - upon getting unknown equipment failure from EIR/HLR. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of RAU rejects sent with cause gprs-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon receiving a cl(subs-with) while a RAU/Attach is in progress. - upon receiving Subscriber Unknown failure from the HLR for GLU/SAI-Req. - after rejecting attaches due to subscriber-control-inactivity. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of RAU rejects sent with cause gprs-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon receiving a cl(subs-with) while a RAU/Attach is in progress. - upon receiving Subscriber Unknown failure from the HLR for GLU/SAI-Req. - after rejecting attaches due to subscriber-control-inactivity. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of RAU rejects sent with cause nongrps-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon receiving IMSI-Unknown from HLR in response to SAI-Req/GLU-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of RAU rejects sent with cause nongrps-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon receiving IMSI-Unknown from HLR in response to SAI-Req/GLU-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when PTMSI IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xFFFE) for P-TMSI-attaches/RAU. - when getting a RAU with old RAI in 2G, and P-TMSI is unknown. - when getting P-TMSI-SIG-MISMATCH for an SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-P-TMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when SGSN-Context-resp arrives with any cause other than accepted. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of RAU rejects sent with cause implicitly-detach against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon RAU at 3G when subscriber was detached from 2G. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs. - when SGSN receives a different IMSI in an SGSN-Ctx-Rsp for an SGSN-Ctx-Req sent with IMSI-validated. - when SGSN gets RAU while awaiting Detach-Accept.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-implicitly-detach	INT32	Incremental	active	Total number of RAU rejects sent with cause implicitly-detach against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when an operator policy is configured with this value as the reject cause for Attaches/RAUs. - when SGSN receives RAU from an unknown MS. - on t3350 expiry for the Attach-Accept.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-inter-rau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of RAU rejects sent with cause plmn-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of RAU rejects sent with cause plmn-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of RAU rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of RAU rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of RAU rejects sent with cause roam-not-allowed-in-location-area against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when rejecting as a shared-SGSN because no operator accepts the given IMSI. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn	2G-inter-rau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of RAU rejects sent with cause roam-not-allowed-in-location-area against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-inter-rau-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of RAU rejects sent with cause no-cells-in-location-area against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting UMTS access control from a Siemens HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of RAU rejects sent with cause no-cells-in-location-area against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of RAU rejects sent with cause msc-not-reachable against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on sending an Attach/RAU Accept with cause GPRS only attached or RA Updated for a combined CS/PS request either because: request timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-msc-not-reachable	INT32	Incremental	active	Total number of RAU rejects sent with cause msc-not-reachable against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on sending an Attach/RAU Accept with cause GPRS only attached or RA Updated for a cvombined CS/PS request either because: request timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-network-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause network-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When - RNC is overloaded. - not enough credits with Session Manager. - on receiving cause data missing from HLR in SAI-Req/GLU-Req. - when there are too many Ius for the same IMSI. - when getting a RAU with a peer-SGSN PTMSI when another Attach is ongoing with the same PTMSI. - on congestion, when configured for attach-throttling. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-rej-network-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause network-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on receiving cause data missing from HLR in SAI-Req/GLU-Req. - on receiving XID failure for RAU. - SGSN unable to send an SGSN-Ctx-Req for a RAU. - SGSN unable to send a Check-IMEI Request. - on congestion, when configured for attach-throttling. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-mac-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause mac-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-mac-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause mac-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-syn-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause syn-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-syn-failure	INT32	Incremental	active	Total number of RAU rejects sent with cause syn-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-congestion	INT32	Incremental	active	Total number of RAU rejects sent with cause congestion against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-congestion	INT32	Incremental	active	Total number of RAU rejects sent with cause congestion against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of RAU rejects sent with cause gsm-auth-unacceptable against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of RAU rejects sent with cause gsm-auth-unacceptable against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of RAU rejects sent with cause no-pdp-ctx-actvated against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of RAU rejects sent with cause no-pdp-ctx-actvated against inter-SGSN-RAU requests of type RA Updating in 32G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-inter-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of RAU rejects sent with cause retry-from-new-cell against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of RAU rejects sent with cause retry-from-new-cell against inter-SGSN-RAU requests of type RA Updating in 32G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of RAU rejects sent with cause sem-wrong-msg against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of RAU rejects sent with cause sem-wrong-msg against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of RAU rejects sent with cause invalid-mandatory-info against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-inval-mand-info	INT32	Incremental	active	Total number of RAU rejects sent with cause invalid-mandatory-info against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	3G-inter-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-doesn't-exist against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-doesn't-exist against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-incompatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-incompatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of RAU rejects sent with cause ie-non-existent against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-ie-non-existent	INT32	Incremental	active	Total number of RAU rejects sent with cause ie-non-existent against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of RAU rejects sent with cause cond-ie-error against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-cond-ie-error	INT32	Incremental	active	Total number of RAU rejects sent with cause cond-ie-error against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-not-compatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when SGSN receives an Attach-Request before getting a Relocation-Complete during SRNS - when SGSN gets periodic RAU in a Dir-Transfer message. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-not-compatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-prot-error	INT32	Incremental	active	Total number of RAU rejects sent with cause protocol-error against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-rej-prot-error	INT32	Incremental	active	Total number of RAU rejects sent with cause protocol-error against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when the PLMN-ID in the BSSGP message does not match the PLMN in the GPRS Service configuration. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-inter-rau-rej-unknown-error	INT32	Incremental	active	Total number of RAU rejects sent with any cause, other than those listed above, against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-inter-rau-rej-unknown-error	INT32	Incremental	active	Total number of RAU rejects sent with any cause, other than those listed above, against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-irau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-illegal-ms	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-illegal-me	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause GPRS services not allowed in this PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause GPRS services not allowed in this PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-irau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-irau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - when PTMSI IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xFFFE) for P-TMSI-attaches/RAU. - when getting a RAU with old RAI in 2G, and P-TMSI is unknown. - when getting P-TMSI-SIG-MISMATCH for an SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-P-TMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - when SGSN-Context-resp arrives with any cause other than accepted. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-irau-rej-implicitly-detach	INT32	Incremental	active	Total number of RAU Rejects sent with cause implicitly-detach against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	Increments - when RAU at 3G subscriber was detached from 2G. - when the SGSN receives a different IMSI in an SGSN-CTX-RSP for an SGSN-CTX-REQ sent with IMSI-validated. - when the SGSN receives RAU while awaiting Detach-Accept. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-implicitly-detach	INT32	Incremental	active	Total number of RAU Rejects sent with cause implicitly-detach against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	Increments - when the SGSN receives RAU from an unkown MS. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-irau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of RAU Rejects sent with cause plmn-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-plmn-not-allowed	INT32	Incremental	active	Total number of RAU Rejects sent with cause plmn-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-comb-irau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of RAU Rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of RAU Rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-irau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of RAU Rejects sent with cause roaming-not-allowed-in-location-area against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	Increments - when rejecting as a shared SGSN because no operator is accepting the provided IMSI. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of RAU Rejects sent with cause roaming-not-allowed-in-location-area against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service, per RA	Standard
sgsn	3G-comb-irau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service, per RA	Standard
sgsn	2G-comb-irau-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn	3G-comb-irau-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-msc-not-reachable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-msc-not-reachable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-network-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to network failure.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-network-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to network failure.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-mac-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-irau-rej-mac-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-syn-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-syn-failure	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-congestion	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-congestion	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-retry-from-new-cell	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-sem-wrong-msg	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-inval-mand-info	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-inval-mand-info	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-msg-type-non-exist	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-comb-irau-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-ie-non-existent	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-ie-non-existent	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-cond-ie-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-cond-ie-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-prot-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-prot-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn	3G-comb-irau-rej-unknown-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	2G-comb-irau-rej-unknown-error	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn	3G-total-rau-failure	INT32	Incremental	active	Total number of routing area updates failed for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-total-rau-failure	INT32	Incremental	active	Total number of routing area updates failed for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-total-intra-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of intra-SGSN-RAU requests of type RA Updating that were dropped from processing in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this Attach, was received and pre-empted existing Attach procedure.	per SGSN service, per RA	Standard
sgsn	2G-total-intra-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of intra-SGSN-RAU requests of type RA Updating that were dropped from processing in 2G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this Attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-total-periodic-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of intra-SGSN-RAU requests of type Periodic Updating that were dropped from processing in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure. - Iu released while attach procedure in progress.	per SGSN service, per RA	Standard
sgsn	2G-total-periodic-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of intra-SGSN RAU requests, of type Periodic Updating, that were dropped from processing in 2G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn	3G-total-intra-rau-failure-comb	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN RAU requests, of type Combined RA/LA Update or Combined RA/LA Update with IMSI Attach, that were failed in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure. 3) Iu released while attach procedure in progress.	per SGSN service, per RA	Standard
sgsn	2G-total-intra-rau-failure-comb	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN-RAU requests of type Combined RA/LA Update or Combined RA/LA Update with IMSI Attach that were failed in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn	3G-total-inter-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN-RAU requests of type RA Updating that were failed in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure. - Iu released while attach procedure in progress.	per SGSN service, per RA	Standard
sgsn	2G-total-inter-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN-RAU requests of type RA Updating that were failed in 2G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-total-comb-inter-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN-RAU requests of type Combined RA/LA Update or Combined RA/LA Ipdate with IMSI Attach that were failed in 3G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure. - Iu released while attach procedure was in progress.	per SGSN service, per RA	Standard
sgsn	2G-total-comb-inter-rau-failure	INT32	Incremental	active	This proprietary counter indicates the total number of inter-SGSN-RAU requests of type Combined RA/LA Update or Combined RA/LA Ipdate with IMSI Attach that were failed in 2G service. Dropped indicates that the requests were silently discarded and no reject was sent for such requests.	When - another RAU, differing from this RAU, was received and pre-empted existing RAU procedure. - another Attach, differing from this attach, was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn	3G-intra-ra-upd-rau-fail-iu_release	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 3G service due to Iu released.	Not Defined	per SGSN service	Standard
sgsn	3G-intra-ra-upd-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn	2G-intra-ra-upd-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn	3G-intra-perio-rau-fail-iu_release	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 3G service due Iu released.	Not Defined	per SGSN service	Standard
sgsn	3G-intra-perio-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn	2G-intra-perio-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn	3G-inter-rau-fail-iu_release	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 3G service due Iu released.	Not Defined	per SGSN service	Standard
sgsn	3G-inter-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn	2G-inter-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn	3G-intra-comb-rau-fail-iu_release	INT32	Incremental	active	Total number of combined RAUs dropped from processing as the Iu (in which the RAU came) was released. This counter is new in release 9.0.	When the Iu releases during an ongoing RAU.	per SGSN service, per RA	Standard
sgsn	3G-intra-comb-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of combined RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per SGSN service, per RA	Standard
sgsn	2G-intra-comb-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of combined RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per GPRS service	Standard
sgsn	3G-inter-comb-rau-fail-iu_release	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as the Iu (in which the RAU came) was released. This counter is new in release 9.0.	When the Iu releases during an ongoing RAU.	per SGSN service, per RA	Standard
sgsn	3G-inter-comb-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per SGSN service, per RA	Standard
sgsn	2G-inter-comb-rau-fail-ongoing-proc	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as another RAU/Attach/Detach was received.	When another Attach/RAU/Detach is received.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-inter-rau-fail-internal-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Inter RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption, congestion, collision scenarios, memory allocation failures.	per GPRS service or per RA	Standard
sgsn	2G-inter-rau-fail-comb-internal-failure	INT32	Incremental	active	This proprietary counter tracks the total number of combined Inter RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption, congestion, collision scenarios, memory allocation failures.	per GPRS service or per RA	Standard
sgsn	2G-intra-rau-fail-internal-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Intra RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption, congestion, collision scenarios, memory allocation failures.	per GPRS service or per RA	Standard
sgsn	2G-intra-rau-fail-comb-internal-failure	INT32	Incremental	active	This proprietary counter tracks the total number of combined Intra RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption, congestion, collision scenarios, memory allocation failures.	per GPRS service or per RA	Standard
sgsn	3G-attached-with-dcnr	INT32	Gauge	active	Total number of subscribers with dcnr capable for 3G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-attached-pdp-with-dcnr	INT32	Gauge	active	Total number of subscribers attaching with pdp with dcnr capable for 3G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-activated-pdp-with-dcnr	INT32	Gauge	active	Total number of active PDP context with dcnr capable for 3G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-attach-req-with-dcnr	INT32	Incremental	active	Total number of 3G Attach Requests received from UEs.	1) When a subscriber attaches to the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-attach-accept-with-dcnr	INT32	Incremental	active	Total number of 3G Attach Requests accepted for UEs.	1) When a subscriber attach accepted by the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-attach-reject-with-dcnr	INT32	Incremental	active	Total number of 3G Attach Requests Rejected for UEs.	1) When a subscriber attach rejected by the SGSN.	per GPRS service, per RA	Standard
sgsn	3G-rau-with-dcnr	INT32	Incremental	active	Total number of 3G SGSN RAU Request messages with DCNR capability received from UEs.	Increments when the RAU messaged received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-rau-accept-with-dcnr	INT32	Incremental	active	Total number of 3G SGSN RAU accept messages with DCNR capability received from UEs.	Increments when the RAU messaged received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-rau-complete-with-dcnr	INT32	Incremental	active	Total number of routing area update complete messages with DCNR UR for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-rau-reject-with-dcnr	INT32	Incremental	active	Total number of 3G SGSN RAU accept messages with DCNR capability received from UEs.	Increments when the RAU messaged received	per GPRS service, NSEI, RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-total-active-with-dcnr	INT32	Incremental	active	total number of 3G Activation Request Received with DCNR..	Increments when the activation request messages received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-total-primary-active-with-dcnr	INT32	Incremental	active	total number of 3G Primary Activation Request Received with DCNR..	Increments when the activation request messages received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-total-primary-active-accept-with-dcnr	INT32	Incremental	active	total number of 3G Primary Activation Accept Received with DCNR..	Increments when the activation accept messages received	per GPRS service, NSEI, RAI	Standard
sgsn	3G-total-primary-active-reject-with-dcnr	INT32	Incremental	active	total number of 3G Primary Activation Reject Received with DCNR..	Increments when the activation reject messages received	per GPRS service, NSEI, RAI	Standard
sgsn	total_att_intra_sgsn_srns	INT32	Incremental	active	Sum of all attempted Intra-SRNS with or without UE involvement.	Whenever an Intra-SGSN SRNS is attempted .	per Service, per RAI	Standard
sgsn	att_intra_srns_ue_involved	INT32	Incremental	active	Total number of Intra-SRNS attempted with UE involvement.	Whenever an Intra-SGSN SRNS is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_intra_srns_ue_not_involved	INT32	Incremental	active	Total number of Intra-SRNS attempted without UE involvement.	Whenever an Intra-SGSN SRNS is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	total_att_inter_sgsn_srns	INT32	Incremental	active	Sum of all attempted Inter-SRNS in which: UE may or may not be involved SRNS may be between peer SGSN and local SGSN, or between local SGSN and MME	Whenever an Inter-SGSN SRNS is attempted.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN with UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN without UE involvement..	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the peer SGSN to the local SGSN with UE involvement..	Whenever an Inter-SGSN SRNS from the peer SGSN to the local SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the peer SGSN to the local SGSN without UE involvement..	Whenever an Inter-SGSN SRNS from the peer SGSN notto the local SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_with_mme_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer MME with UE involvement..	Whenever an Inter-SGSN SRNS from the local SGSN to the peer MME is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_with_mme_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer MME without UE involvement..	Whenever an Inter-SGSN SRNS from the local SGSN to the peer MME is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	att_new_sgsn_inter_srns_with_mme_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the MME to the SGSN with UE involved.	Whenever an Inter-SGSN SRNS from an MME to an SGSN, across the S3 interface, is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_with_mme_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the MME to the SGSN without the UE involved.	Whenever an Inter-SGSN SRNS from an MME to an SGSN, across the S3 interface, is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	total_suc_intra_sgsn_srns	INT32	Incremental	active	Sum of the successful Intra-SRNS with or without UE involement.	Whenever an Intra-SGSN SRNS is successful.	per Service, per RAI	Standard
sgsn	suc_intra_srns_ue_involved	INT32	Incremental	active	Total number of successful Intra-SGSN SRNS with UE involved.	Whenever an Intra-SGSN SRNS with relocation type 'UE involved' is successful.	per Service, per RAI	Standard
sgsn	suc_intra_srns_ue_not_involved	INT32	Incremental	active	Total number of successful Intra-SGSN SRNS without UE involved.	Whenever an Intra-SGSN SRNS with relocation type 'UE not involved' is successful.	per Service, per RAI	Standard
sgsn	total_suc_inter_sgsn_srns	INT32	Incremental	active	Sum of the successful Inter-SRNS in which: UE may or may not be involved SRNS may be between the peer SGSN and the local SGSN, or between the local SGSN and the MME.	Whenever an Inter-SGSN SRNS is successful.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_ue_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the local SGSN to the peer SGSN with UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN with UE involvement is successful.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_ue_not_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the local SGSN to the peer SGSN without UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN without UE involvement is successful.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_ue_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the peer SGSN to the local SGSN with UE involved.	Whenever an Inter-SGSN SRNS from the peer SGSN to the local SGSN with UE involvement is successful.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_ue_not_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the peer SGSN to the local SGSN without UE involved.	Whenever an Inter-SGSN SRNS from the peer SGSN to the local SGSN without UE involvement is successful.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_with_mme_ue_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the local SGSN to the MME with UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the MME across an S3 interface with relocation type 'UE involved' is successful.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_with_mme_ue_not_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the local SGSN to the MME without UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the MME across an S3 interface with relocation type 'UE not involved' is successful.	per Service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	suc_new_sgsn_inter_srns_with_mme_ue_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the MME to the SGSN with UE involved.	Whenever an Inter-SGSN SRNS from the MME to the SGSN across an S3 interface with relocation type 'UE involved' is successful.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_with_mme_ue_not_involved	INT32	Incremental	active	Total number of successful Inter-SGSN SRNS from the MME to the SGSN with UE not involved.	Whenever an Inter-SGSN SRNS from the MME to the SGSN across an S3 interface with relocation type 'UE not involved' is successful.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN with DCNR UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the local SGSN from the peer SGSN with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the local SGSN from the peer SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the local SGSN from the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS to the local SGSN from the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_with_mme_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN with mme to the peer SGSN with DCNR UE involved.	Whenever an Inter-SGSN SRNS from the local SGSN with mme to the peer SGSN is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_old_sgsn_inter_srns_with_mme_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN with mme to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN with mme to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_with_mme_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the local SGSN from the peer SGSN with mme with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the local SGSN from the peer SGSN with mme with dcnr is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	att_new_sgsn_inter_srns_with_mme_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the peer SGSN with mme to the local SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the peer SGSN with mme to the local SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	suc_old_sgsn_inter_srns_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the peer SGSN from the local SGSN with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the peer SGSN from the local SGSN with dcnr is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the peer SGSN from the local SGSN with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the peer SGSN from the local SGSN with dcnr is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_with_mme_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the peer SGSN from the local SGSN with mme with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the peer SGSN from the local SGSN with mme with dcnr is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	suc_old_sgsn_inter_srns_with_mme_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN with mme to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN with mme to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_with_mme_dcnr_ue_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted to the peer SGSN from the local SGSN with mme with DCNR UE involved.	Whenever an Inter-SGSN SRNS to the peer SGSN from the local SGSN with mme with dcnr is attempted with relocation type 'UE involved'.	per Service, per RAI	Standard
sgsn	suc_new_sgsn_inter_srns_with_mme_dcnr_ue_not_involved	INT32	Incremental	active	Total number of Inter-SGSN SRNS attempted from the local SGSN with mme to the peer SGSN with DCNR UE not involved.	Whenever an Inter-SGSN SRNS from the local SGSN with mme to the peer SGSN is attempted with relocation type 'UE not involved'.	per Service, per RAI	Standard
sgsn	intra-sgsn-inter-system-gsm-to-wcdma-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	intra-sgsn-inter-system-gsm-to-wcdma-rej	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	intra-sgsn-inter-system-gsm-to-wcdma-fail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	intra-sgsn-inter-system-wcdma-to-gsm-success	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	intra-sgsn-inter-system-wcdma-to-gsm-rej	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	intra-sgsn-inter-system-wcdma-to-gsm-fail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	inter-system-2G-to-3G-rau-requests	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-rau-accepts	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-rau-rejects	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-comb-rau-requests	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-comb-rau-accepts	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-comb-rau-rejects	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-2G-to-3G-attach-requests	INT32	Incremental	active	Total number of attach-request messages, of the type GPRS Attach, received from subscribers who attached previously to the same SGSN under 2G.	Increments upon reception of such an attach-request message at the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-2G-to-3G-attach-accepts	INT32	Incremental	active	Total number of attach-accepts of type GPRS only attached issued against attach-requests from subscribers who attached previously to the same SGSN under 2G.	Increments upon issue of such an attach-accept message at the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-2G-to-3G-attach-rejects	INT32	Incremental	active	Total number of attach-reject messages, issued against attach-requests of type GPRS Attach, received from subscribers who attached previously to the same SGSN under 2G.	Increments upon issue of such an attach-reject message from the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-2G-to-3G-comb-attach-requests	INT32	Incremental	active	Total number of attach-request messages, of type Combined GPRS/IMSI Attach, received from subscribers who attached previously to the same SGSN under 2G.	Increments upon reception of such attach-request messages at the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-2G-to-3G-comb-attach-accepts	INT32	Incremental	active	Total number of attach-accept messages, of the type Combined GPRS/IMSI attached, issued against attach-requests from subscribers who attached previously to the same SGSN under 2G.	Increments upon issue of such an attach-accept message by the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-2G-to-3G-comb-attach-rejects	INT32	Incremental	active	Total number of attach-reject messages, issued against attach-requests of type Combined GPRS/IMSI Attach, received from subscribers who attached previously to the same SGSN under 2G.	Increments upon issue of such an attach-reject message by the 3G SGSN.	per SGSN service, per RA	Standard
sgsn	inter-system-3G-to-2G-rau-requests	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-rau-accepts	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-rau-rejects	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-comb-rau-requests	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-comb-rau-accepts	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-comb-rau-rejects	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	inter-system-3G-to-2G-attach-requests	INT32	Incremental	active	Total number of Attach Request messages, of type GPRS Attach, received from subscribers who attached previously to the same SGSN under 3G.	Increments upon reception of such an 'Attach Request message at the 2G SGSN.	across all GPRS services	Standard
sgsn	inter-system-3G-to-2G-attach-accepts	INT32	Incremental	active	Total number of attach-accept messages, of type GPRS only attached, issued against attach-requests from subscribers who attached previously to the same SGSN under 3G.	Increments upon issue of such an attach-accept message at the 2G SGSN.	across all GPRS services	Standard
sgsn	inter-system-3G-to-2G-attach-rejects	INT32	Incremental	active	Total number of attach-reject messages, issued against attach-requests of type GPRS Attach, received from subscribers who attached previously to the same SGSN under 3G.	Increments upon issue of such an attach-reject message by the 2G SGSN.	across all GPRS services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	inter-system-3G-to-2G-comb-attach-requests	INT32	Incremental	active	Total number of attach-request messages, of type Combined GPRS/IMSI Attach, received from subscribers who attached previously to the same SGSN under 3G.	Increments upon reception of such an attach-request message by the 2G SGSN.	across all GPRS services	Standard
sgsn	inter-system-3G-to-2G-comb-attach-accepts	INT32	Incremental	active	Total number of attach-accept messages, of type Combined GPRS/IMSI attached, issued against attach-requests from subscribers who attached previously to the same SGSN under 3G.	Increments upon reception of such an attach-request message by the 2G SGSN.	across all GPRS services	Standard
sgsn	inter-system-3G-to-2G-comb-attach-rejects	INT32	Incremental	active	Total number of Attach rejects issued against attach-requests of type Combined GPRS/IMSI Attach received from subscribers who are previously attached in the same sgsn under 3g.	Increments upon issue of such an attach-reject by the 2G SGSN.	across all GPRS services	Standard
sgsn	ps-inter-rat-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-rat-rau-3g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ps-inter-rat-rau-2g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-rat-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-rat-rau-3g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-rat-rau-2g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-ps-inter-rat-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-ps-inter-rat-rau-3g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-ps-inter-rat-rau-2g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-comb-inter-rat-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-comb-inter-rat-rau-3g	INT32	Incremental	active	Total number of retransmitted Combined Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-comb-inter-rat-rau-2g	INT32	Incremental	active	Total number of retransmitted Combined Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-service-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-service-rau-3g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Requests from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ps-inter-service-rau-2g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Requests from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-service-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-service-rau-3g	INT32	Incremental	active	Total number of Combined Inter Service RAU Requests from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-service-rau-2g	INT32	Incremental	active	Total number of Combined Inter Service RAU Requests from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-ps-inter-service-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-ps-inter-service-rau-3g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter Service RAU Requests from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-ps-inter-service-rau-2g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter Service RAU Requests from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-comb-inter-service-rau-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-comb-inter-service-rau-3g	INT32	Incremental	active	Total number of retransmitted Combined Inter Service RAU Requests from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-comb-inter-service-rau-2g	INT32	Incremental	active	Total number of retransmitted Combined Inter Service RAU Requests from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-rat-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-rat-rau-acc-3g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	ps-inter-rat-rau-acc-2g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-rat-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-rat-rau-acc-3g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-rat-rau-acc-2g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-ps-inter-rat-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-ps-inter-rat-rau-acc-3g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-ps-inter-rat-rau-acc-2g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-comb-inter-rat-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-comb-inter-rat-rau-acc-3g	INT32	Incremental	active	Total number of retransmitted Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-comb-inter-rat-rau-acc-2g	INT32	Incremental	active	Total number of retransmitted Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-service-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-service-rau-acc-3g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ps-inter-service-rau-acc-2g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-service-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-service-rau-acc-3g	INT32	Incremental	active	Total number of Combined Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-service-rau-acc-2g	INT32	Incremental	active	Total number of Combined Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-ps-inter-service-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-ps-inter-service-rau-acc-3g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-ps-inter-service-rau-acc-2g	INT32	Incremental	active	Total number of retransmitted GPRS only Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ret-comb-inter-service-rau-acc-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ret-comb-inter-service-rau-acc-3g	INT32	Incremental	active	Total number of retransmitted Combined Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ret-comb-inter-service-rau-acc-2g	INT32	Incremental	active	Total number of retransmitted Combined Inter Service RAU Accepts sent against RAU Requests from subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-rat-rau-rej-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	ps-inter-rat-rau-rej-3g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 2G service to a 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ps-inter-rat-rau-rej-2g	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 3G service to a 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-rat-rau-rej-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-rat-rau-rej-3g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 2G service to a 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-rat-rau-rej-2g	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 3G service to a 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-rat-rau-fail-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-rat-rau-fail-3g	INT32	Incremental	active	Total number of failures in GPRS-only inter-RAT RAU procedures initiated by subscribers moving from 2G services to 3G services.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 2G to 3G.	per RA, per SGSN service	Standard
sgsn	ps-inter-rat-rau-fail-2g	INT32	Incremental	active	Total number of failures in GPRS-only inter-RAT RAU procedures initiated by subscribers moving from 3G services to 2G services.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 3G to 2G.	per RA, per GPRS service	Standard
sgsn	comb-inter-rat-rau-fail-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-rat-rau-fail-3g	INT32	Incremental	active	Total number of failures in combined inter-RAT RAU procedures initiated by subscribers moving from 2G services to a 3G service.	When a combined RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 2G to 3G.	per RA, per SGSN service	Standard
sgsn	comb-inter-rat-rau-fail-2g	INT32	Incremental	active	This statistics has been deprecated.	Not Defined	Nothing	Standard
sgsn	ps-inter-service-rau-rej-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-service-rau-rej-3g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent against RAU Requests for subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	ps-inter-service-rau-rej-2g	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent against RAU Requests for subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	comb-inter-service-rau-rej-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-service-rau-rej-3g	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent against RAU Requests for subscribers moving from one 3G service to another 3G service.	Not Defined	per RA, per SGSN service	Standard
sgsn	comb-inter-service-rau-rej-2g	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent against RAU Requests for subscribers moving from one 2G service to another 2G service.	Not Defined	per RA, per GPRS service	Standard
sgsn	ps-inter-service-rau-fail-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	ps-inter-service-rau-fail-3g	INT32	Incremental	active	Total number of failures in GPRS-only inter-Service RAU procedures initiated by subscribers moving from one 3G service to another 3G service.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-service RAU from one 3G service to another 3G service.	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	ps-inter-service-rau-fail-2g	INT32	Incremental	active	Total number of failures in GPRS-only inter-Service RAU procedures initiated by subscribers moving from one 2G service to another 2G service.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN Inter-service RAU from one 2G service to another 2G service.	per RA, per GPRS service	Standard
sgsn	comb-inter-service-rau-fail-total	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	comb-inter-service-rau-fail-3g	INT32	Incremental	active	Total number of failures incombined inter-Service RAU procedures initiated by subscribers moving from one 3G service to another 3G service.	When a combined RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-Service RAU from one 3G service to another 3G service.	per RA, per SGSN service	Standard
sgsn	comb-inter-service-rau-fail-2g	INT32	Incremental	active	Total number of failures incombined inter-Service RAU procedures initiated by subscribers moving from one 2G service to another 2G service.	When a combined RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-Service RAU from one 2G service to another 2G service.	per RA, per SGSN service	Standard
sgsn	3G-isrv-ps-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to a SAI-Req or GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to a SAI-Req or GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-illegal-ms	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Illegal M.	Increments - on HLR sending a bad response to a SAI-Req or GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-illegal-ms	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Illegal MS.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-ps-rej-illegal-me	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Illegal ME.	Increments - when SGSN is unable to retrieve IMEI/IMEISV from the MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-illegal-me	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Illegal ME.	Incremenst - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 2G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-ps-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 2G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-implicitly-detach	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Implicitly detached.	Increments - on RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-implicitly-detach	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - on T3350 expiry for the attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-ps-rej-plmn-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-plmn-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter Service RAU rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter Service RAU rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of GPRS only Inter Service RAU rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of GPRS only Inter Service RAU rejects in 2G service with cause Roaming area not allowed in the given location area.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-ps-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-network-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Network Failure.	Increments - when RNC is overloaded - when there are not enough credits at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many IUs for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-ps-rej-network-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - on XID failure for RAU - unable to send an SGSN-Ctx-Req out for an RAU. - unableto send a Check-IMEI Request out - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-mac-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-mac-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-syn-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-syn-failure	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-congestion	INT32	Incremental	active	Total number of GPRS Only Inter Service RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-congestion	INT32	Incremental	active	Total number of GPRS Only Inter Service RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-ps-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-retry-from-new-cell	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-retry-from-new-cell	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-sem-wrong-msg	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Semantically wrong message.	Incrments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-sem-wrong-msg	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-inval-mand-info	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-inval-mand-info	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-msg-type-non-exist	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-msg-type-non-exist	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-ps-rej-ie-non-existent	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-ie-non-existent	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-cond-ie-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-cond-ie-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-prot-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-prot-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-ps-rej-unknown-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA, per SGSN service	Standard
sgsn	2G-isrv-ps-rej-unknown-error	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-comb-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to a SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause IMSI unknown at HLR.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-illegal-ms	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 3G service with cause Illegal MS.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-illegal-ms	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 2G service with cause Illegal MS.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-illegal-me	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 3G service with cause Illegal ME.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-illegal-me	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 2G service with cause Illegal ME.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-comb-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 2G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-comb-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 2G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-implicitly-detach	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Implicitly detached.	Increments - if RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-implicitly-detach	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - on T3350 expiry for the attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-comb-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Roaming area not allowed in the given location area.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-comb-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-msc-not-reachable	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-msc-not-reachable	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-network-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Network Failure.	Increments - when RNC is overloaded - when there are not enough credits at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many IUs for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-comb-rej-network-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - on XID failure for RAU - unable to send an SGSN-Ctx-Req out for an RAU - unable to send a Check-IMEI Request out - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-mac-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-mac-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-syn-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-syn-failure	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-congestion	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-congestion	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-isrv-comb-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-inval-mand-info	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-inval-mand-info	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-msg-type-non-exist	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-msg-type-non-exist	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-isrv-comb-rej-ie-non-existent	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-ie-non-existent	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-cond-ie-error	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-cond-ie-error	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-prot-error	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-prot-error	INT32	Incremental	active	Total number of Combined Inter Service RAU rejects in 2G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-isrv-comb-rej-unknown-error	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA, per SGSN service	Standard
sgsn	2G-isrv-comb-rej-unknown-error	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-ps-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-illegal-ms	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Illegal MS.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-illegal-ms	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Illegal MS.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-illegal-me	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Illegal ME.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-illegal-me	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Illegal ME.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-ps-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 2G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-ps-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of GPRS only inter-service routing area update request rejects sent with cause MSID not derived by network against inter-Service-RAU requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of GPRS only inter-service routing area update request rejects sent with cause MSID not derived by network against inter-Service-RAU requests in 3G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-implicitly-detach	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - for RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-implicitly-detach	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - when T3350 expiry for the Attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-ps-rej-plmn-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-plmn-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-ps-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-msc-not-reachable	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-network-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Network Failure.	Increments - if RNC is overloaded - when not enough credits available at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many IUs for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-ps-rej-network-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - On XID failure for RAU - when unable to send an SGSN-Ctx-Req out for an RAU. - when unable to send a Check-IMEI Request out - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-mac-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-mac-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-syn-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-syn-failure	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-congestion	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-congestion	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-ps-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-retry-from-new-cell	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-retry-from-new-cell	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-sem-wrong-msg	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-sem-wrong-msg	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-inval-mand-info	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-inval-mand-info	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-msg-type-non-exist	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-msg-type-non-exist	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-ps-rej-ie-non-existent	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-ie-non-existent	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-cond-ie-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-cond-ie-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-prot-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-prot-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-ps-rej-unknown-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA, per SGSN service	Standard
sgsn	2G-irat-ps-rej-unknown-error	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-comb-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to a SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-imsi-unknown-hlr	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause IMSI unknown at HLR.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-illegal-ms	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Illegal MS.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-illegal-ms	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Illegal MS.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-illegal-me	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause Illegal ME.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-illegal-me	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause Illegal ME.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-comb-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-gprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-nongprs-svc-not-allow	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-comb-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-msid-not-derived-by-nw	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 2G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-implicitly-detach	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - if RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-implicitly-detach	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - on T3350 expiry for the attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-comb-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-plmn-not-allowed	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-loc-area-not-allowed	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-roam-not-allowed-larea	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Roaming area not allowed in the given location area.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-gprs-svc-not-allowed-plmn	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-comb-rej-no-cells-in-location-area	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-msc-not-reachable	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-msc-not-reachable	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-network-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Network Failure.	Increments - if RNC is overloaded - when there are not enough credits at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many Ius for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-comb-rej-network-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - on XID failure for RAU - unable to send an SGSN-Ctx-Req out for an RAU - unable to send a Check-IMEI Request out - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-mac-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-mac-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-syn-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-syn-failure	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-congestion	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-congestion	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion, if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-gsm-auth-unacceptable	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-irat-comb-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-retry-from-new-cell	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-inval-mand-info	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-inval-mand-info	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-msg-type-non-exist	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-msg-type-non-exist	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-mtype-incompat-pstate	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-irat-comb-rej-ie-non-existent	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-ie-non-existent	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-cond-ie-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-cond-ie-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-msg-not-compat-pstate	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-prot-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-prot-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA, per GPRS service	Standard
sgsn	3G-irat-comb-rej-unknown-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA, per SGSN service	Standard
sgsn	2G-irat-comb-rej-unknown-error	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA, per GPRS service	Standard
sgsn	redir-attach-rej-gprs-pna	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-attach-rej-comb-pna	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication using any cause other than PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-pna	INT32	Incremental	active	Total number of intra-SGSN Periodic RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-pna	INT32	Incremental	active	Total number of intra-SGSN GPRS RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-pna	INT32	Incremental	active	Total number of intra-SGSN combined-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-pna	INT32	Incremental	active	Total number of inter-SGSN GPRS RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-pna	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-pna	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-pna	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-serv-pna	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-pna	INT32	Incremental	active	Total number of inter-service combined-RAU Rejects sent with a redirection indication cause of PLMN Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-gprs-lana	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-attach-rej-comb-lana	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-lana	INT32	Incremental	active	Total number of intra-SGSN GPRS-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-lana	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-lana	INT32	Incremental	active	Total number of intra-SGSN combined-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-lana	INT32	Incremental	active	Total number of inter-SGSN GPRS-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-lana	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-lana	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-lana	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-serv-lana	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-lana	INT32	Incremental	active	Total number of inter-service combined-RAU Rejects sent with a redirection indication cause of Location Area Not Allowed, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-gprs-rna	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-attach-rej-comb-rna	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication using any cause other than Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-rna	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-rna	INT32	Incremental	active	Total number of intra-SGSN GPRS-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-rna	INT32	Incremental	active	Total number of intra-SGN combined-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-rna	INT32	Incremental	active	Total number of inter-SGSN GPRS-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-rna	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-rna	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-rna	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-serv-rna	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-rna	INT32	Incremental	active	Total number of inter-service combined-RAU Rejects sent with a redirection indication cause of Roaming Not Allowed in Location Area, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-gprs-ngs	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-attach-rej-comb-ngs	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication using any cause other than No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-ngs	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-ngs	INT32	Incremental	active	Total number of intra-SGSN GPRS-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-ngs	INT32	Incremental	active	Total number of intra-SGSN combined-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-ngs	INT32	Incremental	active	Total number of inter-SGSN GPRS-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-ngs	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-ngs	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-ngs	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-serv-ngs	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-ngs	INT32	Incremental	active	Total number of inter-service combined-RAU Rejects sent with a redirection indication cause of No GPRS Service in PLMN, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-attach-rej-gprs-cpcr	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-comb-cpcr	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication cause that is any cause other than CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-cpcr	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-cpcr	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-cpcr	INT32	Incremental	active	Total number of intra-SGSN combined-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-cpcr	INT32	Incremental	active	Total number of inter-SGSN GPRS-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-cpcr	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-cpcr	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-cpcr	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-rau-gprs-inter-serv-cpcr	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-cpcr	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of CS-PS Co-ordination Required.	When network sharing is enabled and CS-PS co-ordination is enabled as CS-PS co-ordinations conditions apply according to 3GPP TS 23.251.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-gprs-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of GPRS attaches (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever SGSN rejects a GPRS attach because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-attach-rej-comb-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Combined (GPRS/IMSI) attaches (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever theSGSN rejects a combined attach because no suitable cell could be found.	per IuPS service	Standard
sgsn	redir-periodic-rau-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Periodic RAUs (3G) rejected and redirected because no suitable cell cound be found in the LA.	Whenever the SGSN rejects a periodic RAU because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of GPRS Intra-SGSN RAUs (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects an Intra-SGSN RAU (GRPS Update) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Combined (GPRS/IMSI) Intra-SGSN RAUs (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an Intra-SGSN RAU (Combined Update) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of GPRS Inter-SGSN RAUs (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an Inter-SGSN RAU (GPRS) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Combined Inter-SGSN RAUs (3G) rejected and redirected because no suitable cell could be found in the LA	Whenever the SGSN rejects and redirects an Inter-SGSN RAU (Combined RAU) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-gprs-inter-rat-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Inter-RAT RAUs (only PS, 3g->2g) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an Inter-RAT RAU request because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-comb-inter-rat-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of Combined Inter-RAT RAUs (3G->2G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an Inter-RAT RAU (Combined) because no suitable cell could be found in the LA.	per IuPS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-rau-gprs-inter-serv-ncil	INT32	Incremental	active	Proprietary counter tracks the total number of GPRS inter-service RAU (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an inter-service RAU (GPRS) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-rau-comb-inter-serv-ncil	INT32	Incremental	active	Proprietary counter tracks thenumber of combined Inter service RAUs (3G) rejected and redirected because no suitable cell could be found in the LA.	Whenever the SGSN rejects and redirects an inter service RAU (conbined) because no suitable cell could be found in the LA.	per IuPS service	Standard
sgsn	redir-attach-rej-gprs-nf	INT32	Incremental	active	Total number of GPRS Attaches rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-attach-rej-comb-nf	INT32	Incremental	active	Combined number of GPRS / IMSI Attaches rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-periodic-rau-nf	INT32	Incremental	active	Total number of Periodic RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-nf	INT32	Incremental	active	Total number of GPRS Intra-SGSN RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-nf	INT32	Incremental	active	Combined number of GPRS / IMSI Intra SGSN RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-nf	INT32	Incremental	active	Total number of GPRS Inter-SGSN RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-nf	INT32	Incremental	active	Combined number of GPRS / IMSI Inter-SGSN RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-gprs-inter-rat-nf	INT32	Incremental	active	Total number of Inter-RAT RAUs (PS only) rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-comb-inter-rat-nf	INT32	Incremental	active	Combined number of Inter-RAT RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-rau-gprs-inter-serv-nf	INT32	Incremental	active	Total number of GPRS Inter service RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-rau-comb-inter-serv-nf	INT32	Incremental	active	Combined number of Inter service RAUs rejected and redirected because of network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN,	Standard
sgsn	redir-attach-rej-gprs-ur	INT32	Incremental	active	Total number of GPRS Attach Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-attach-rej-comb-ur	INT32	Incremental	active	Total number of combined Attach Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-periodic-rau-ur	INT32	Incremental	active	Total number of intra-SGSN periodic-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-intra-sgsn-rej-ur	INT32	Incremental	active	Total number of intra-SGSN GPRS-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-intra-sgsn-rej-ur	INT32	Incremental	active	Total number of intra-SGSN combined-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-sgsn-rej-ur	INT32	Incremental	active	Total number of inter-SGSN GPRS-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-sgsn-rej-ur	INT32	Incremental	active	Total number of inter-SGSN combined-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-gprs-inter-rat-ur	INT32	Incremental	active	Total number of inter-RAT GPRS-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-rat-ur	INT32	Incremental	active	Total number of inter-RAT combined-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	redir-rau-gprs-inter-serv-ur	INT32	Incremental	active	Total number of inter-service GPRS-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	redir-rau-comb-inter-serv-ur	INT32	Incremental	active	Total number of inter-service combined-RAU Rejects sent with a redirection indication cause of xxx, which has been configured as the reject cause for network sharing failure cause.	When network sharing is enabled and the SGSN is not configured to accept this subscriber under any of its PLMN.	per SGSN, per RA	Standard
sgsn	2g-total-attach-redir-attempt	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN Attach Requests received with Redirection Attempt flag and with or without IMSI value at BSSGP level.	Whenever the SGSN receives a 2G Attach Request with the Redirection Attempt flag.	per GPRS service	Standard
sgsn	2g-attach-req-redir-attempt-with-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN Attach Requests received with the Redriection Attempt flag and with IMSI at BSSGP level.	Whenever the SGSN receives an Attach Request for 2G with the Redirection Attempt flag and IMSI at the BSSGP level.	per GPRS service	Standard
sgsn	2g-attach-req-redir-attempt-without-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN Attach Requests received with the Redriection Attempt flag and without IMSI at the BSSGP level.	Whenever the SGSN receives an Attach Request for 2G with the Redirection Attempt flag and without IMSI value at the BSSGP level.	per GPRS service	Standard
sgsn	2g-total-attach-redir-comp	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects or Attach Accepts sent by the SGSN with the Redirection Complete flag.	Whenever the SGSN sends an Attach Reject or an Attach Accept with the Redirection Complete flag set.	per GPRS service	Standard
sgsn	2g-attach-redir-comp-success	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Accepts sent by the SGSN with Redirection Complete flag set.	Whenever the SGSNsends an Attach Accept with the Redirection Complete flag set.	per GPRS service	Standard
sgsn	2g-attach-redir-comp-failure	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with the Redirection Complete flag set.	Whenever the SGSN sends an Attach Rejects with the Redirection Complete flag set.	per GPRS service	Standard
sgsn	2g-attach-acc-retry-with-redir-comp	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Accepts resent with the redirection complete flag set.	Increments whenever the SGSN retransmits an Attach Accept with the redirection complete flag because the SGSN has not received a response from the UE for a transmitted Attach Accept.	per RA level	Standard
sgsn	2g-attach-redir-indication	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with the Redirection Indication flag set. (Meaning, the UE has to be redirected to another SGSN which can provide service to the UE.)	Whenever the SGSN sends an Attach Reject with the Redirection Indication flag set.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-ill-plmn	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with Redirection Indication and the redirection cause is illegal plmn.	Whenever SGSN receives MAP error cause PLMN not allowed from the HLR for GLU or for the Authentication procedure during the Attach.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2g-attach-redir-ind-ill-la	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with Redirection Indication and the redirection cause is illegal LA.	Whenever the SGSN rejects an Attach with the Redirection Indication flag and the reject is because the Attach Request came from a location area not allowed in this SGSN and with the Redirect Attempt flag set.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-no-roam	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with the Redirection Indication flag and the redirection is because roaming is not allowed.	Whenever the SGSN rejects an Attach because roaming is not allowed in the SGSN.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-no-gprs-plmn	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects sent by the SGSN with the Redirection Indication flag and the redirection is due to GPRS Services are not allowed.	Whenever the SGSN receives a MAP error : with cause Roaming not allowed in message from the HLR for GLU or Auth Procedure, or when Attach rejected because GPRS services are not allowed in that PLMN, or when roaming is restricted in SGSN due to unsupported feature.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-no-cell-in-la	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects with redirection indication and the redirection indication cause is no cell in location area.	Whenever the SGSN rejects the Attach, because no suitable cell could be found.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-csps-req	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects with redirection indication and the redirection is because CS-PS coordination is required.	Whenever an Attach is rejected and redirected because CS-PS coordination is required.	per GPRS service	Standard
sgsn	2g-attach-redir-ind-nw-failure	INT32	Incremental	active	Total number of 2G RAUs rejected and redirected due to network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN service	Standard
sgsn	2g-attach-redir-ind-others	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects with redirection indication and the redirection cause is different from the above mentioned causes.	Whenever an Attach is rejected with redirection indication flag and the reject is not because of the above reasons.	per GPRS service	Standard
sgsn	2g-total-rau-redir-attempt	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN RAU Requests received with Redirection attempt flag, with or without IMSI value at the BSSGP level.	Whenever a RAU Request for 2G comes with redirection attempt flag.	per GPRS service	Standard
sgsn	2g-rau-req-redir-attempt-with-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN RAU Requests received with Redriection attempt flag, with IMSI at the BSSGP level.	Whenever a RAU Request for 2G comes with redirection attempt flag and IMSI at BSSGP level.	per GPRS service	Standard
sgsn	2g-rau-req-redir-attempt-without-imsi	INT32	Incremental	active	This proprietary counter tracks the total number of 2G MOCN RAU Requests received with Redriection attempt flag, without IMSI at BSSGP level.	Whenever a RAU Request for 2G comes with redirection attempt flag and without IMSI value at BSSGP level.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2g-total-rau-redir-comp	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects or RAU Accepts sent with Redirection Complete flag.	Whenever the SGSN sends a RAU Reject or RAU Accept with redirection complete flag set.	per GPRS service	Standard
sgsn	2g-rau-redir-comp-success	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Accepts sent by the SGSN with Redirection complete flag set.	Whenever a RAU Accept is sent with redirection complete flag.	per GPRS service	Standard
sgsn	2g-rau-redir-comp-failure	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Reject sent by the SGSN with Redirection complete flag.	Whenever a RAU Reject is sent with redirection complete flag.	per GPRS service	Standard
sgsn	2g-rau-acc-retry-with-redir-comp	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Reject sent by the SGSN with Redirection complete flag.	Increments whenever a RAU Accept is retrasnmitted and it has the redirection complete flag set because the SGSN did not receive a response from the UE for the transmitted RAU Accept message.	per RA level	Standard
sgsn	2g-rau-redir-indication	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects sent with Redirection indication flag.	Whenever a RAU Reject is sent with Redirection indication flag set (i.e. Redirection Indication flag set so that the UE has to be redirected to another SGSN which can provide service to the UE.)	per GPRS service	Standard
sgsn	2g-rau-redir-ind-ill-plmn	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection cause is illegal plmn.	Whenever the SGSN receives a MAP error with cause PLMN not allowed from the HLR for GLU or Auth procedure during the RAU.	per GPRS service	Standard
sgsn	2g-rau-redir-ind-ill-la	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection cause is illegal LA.	Whenever a RAU is rejected with redirection indication flag and the reject is because the RAU Req came from a location area not allowed in this SGSN and with redirect attempt flag set.	per GPRS service	Standard
sgsn	2g-rau-redir-ind-no-roam	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection is because roaming is not allowed.	Whenever a 2G MOCN RAU is rejected because no roaming is allowed in the SGSN.	per GPRS service	Standard
sgsn	2g-rau-redir-ind-no-gprs-plmn	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection is because GPRS Services were not allowed.	Whenever the SGSN receives a MAP error with cause Roaming not allowed from the HLR for GLU or Auth Procedure, or RAU is rejected because GPRS services were not allowed in that PLMN or because roaming is restricted in SGSN due to unsupported feature.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2g-rau-redir-ind-no-cell-in-la	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection is because no suitable cell could be found in the LA.	Whenever a RAU is rejected with redirection indication flag and the reject is because no suitable cell could be found in the LA.	per GPRS service	Standard
sgsn	2g-rau-redir-ind-csps-req	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection is because CS-PS coordination s required.	Whenever a RAU is rejected with redirection indication flag and the reject is because CS-PS coordination is required.	per GPRS service	Standard
sgsn	2g-rau-redir-ind-nw-failure	INT32	Incremental	active	Total number of 2G RAUs rejected and redirected due to network failure.	When SGSN received MAP errors System Failure or Unexpected data value frothe HLR for UGL and the subscriber is a roamer.	per SGSN service	Standard
sgsn	2g-rau-redir-ind-others	INT32	Incremental	active	This proprietary counter tracks the total number of RAU Rejects with redirection indication and the redirection cause is different from any of the above mentioned causes.	Whenever a RAU is rejected with redirection indication flag and the reject is not because of any of the above reasons.	per GPRS service	Standard
sgsn	3G-ms-init-detach	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'GPRS Detach' received for 3G service.	When the MS initiates a Detach Request.	per SGSN service, per RA	Standard
sgsn	2G-ms-init-detach	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'GPRS Detach' received for 2G service.	When the MS initiates a Detach Request.	per GPRS service	Standard
sgsn	3G-ms-init-imsi-detach	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'Imsi Detach' received for 3G service.	When the MS initiates a Detach Request.	per SGSN service, per RA	Standard
sgsn	2G-ms-init-imsi-detach	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'Imsi Detach' received for 2G service.	When the MS initiates a Detach Request.	per GPRS service	Standard
sgsn	3G-ms-init-comb-detach	INT32	Incremental	active	Total number of MS initiated GPRS and IMSI (PS and CS) Detach Requests of type 'Combined Gprs/Imsi Detach' received for 3G service.	When the MS initiates a Detach Request.	per SGSN service, per RA	Standard
sgsn	2G-ms-init-comb-detach	INT32	Incremental	active	Total number of MS initiated GPRS and IMSI (PS and CS) Detach Requests of type 'Combined Gprs/Imsi Detach' received for 2G service.	When the MS initiates a Detach Request.	per GPRS service	Standard
sgsn	3G-ms-init-power-off-detach	INT32	Incremental	active	This proprietary counter pegs when the SGSN receives Power-Off-Detach-Request from a UE.	Receiving Power-Off-Detach-Request from a UE.	per SGSN service	Standard
sgsn	2G-ms-init-power-off-detach	INT32	Incremental	active	This proprietary counter tracks the total number of MS-initiated Detach-Requests received with cause 'power off'	Receiving Power-Off-Detach-Request from an MS.	per SGSN service	Standard
sgsn	3G-ms-init-imsi-detach-drop	INT32	Incremental	active	This proprietary counter pegs when the SGSN receives an IMSI-Detach-Request from a UE while authentication is ongoing for either activation or SMS procedures. Dropping an IMSI-Detach-Request from a UE during authentication is normal behavior for the SGSN.	Dropping an IMSI-Detach-Request from the UE while authentication is ongoing for activation or SMS procedures.	per SGSN service	Standard
sgsn	3G-nw-init-detach	INT32	Incremental	active	Total number of network initiated Detach Request procedures sent for 3G service.	1) When a subscriber cleared by Administrator/operator. 2) When Cancel Location received from HLR. 3) When stand-alone Delete Subscriber Data is received with All GPRS Subscription withdrawn. 4) When subscriber-control-inactivity timer expires and action is to detach immediately.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-nw-init-detach	INT32	Incremental	active	Total number of network initiated Detach Request procedures received for 2G service.	1) When a subscriber cleared by Administrator/operator. 2) When Cancel Location received from HLR. 3) When stand-alone Delete Subscriber Data is received with All GPRS Subscription withdrawn. 4) When subscriber-control-inactivity timer expires and action is to detach immediately.	per GPRS service, per RA	Standard
sgsn	3G-ms-init-detach-accept	INT32	Incremental	active	Total number of 3G service MS-initiated Detach Accept messages received by the SGSN and sent by the mobile station (MS) in response to network-initiated Detach Request messages.	When a Detach Accept is received from an MS.	per SGSN service, per RA	Standard
sgsn	2G-ms-init-detach-accept	INT32	Incremental	active	Total number of 2G service MS-initiated Detach Accept messages received by the SGSN and sent by the mobile station (MS) in response to network-initiated Detach Request messages.	When a Detach Accept is received from an MS.	per GPRS service	Standard
sgsn	3G-nw-init-detach-accept	INT32	Incremental	active	Total number of Network initiated Detach Accept messages in response to requests of type 'Gprs Detach' in 3G service.	When the network accepts a detach initiated by the MS.	per SGSN service, per RA	Standard
sgsn	3G-nw-init-imsi-detach-accept	INT32	Incremental	active	Total number of Network initiated IMSI (CS) Detach Accept messages in response to requests of type 'Imsi Detach' in 3G service.	When the network accepts a detach initiated by the MS.	per SGSN service, per RA	Standard
sgsn	3G-nw-init-comb-detach-accept	INT32	Incremental	active	Total number of Network initiated combined (GPRS and IMSI) Detach Accept messages in response to requests of type 'Combined Gprs/Imsi Detach' in 3G service.	When the network accepts a detach initiated by the MS.	per SGSN service, per RA	Standard
sgsn	2G-nw-init-detach-accept	INT32	Incremental	active	Total number of Network initiated Detach Accept messages in response to requests of type 'Gprs Detach' in 2G service.	When the network accepts a detach initiated by the MS.	per GPRS service	Standard
sgsn	2G-nw-init-imsi-detach-accept	INT32	Incremental	active	Total number of Network initiated IMSI (CS) Detach Accept messages in response to requests of type 'Imsi Detach' in 2G service.	When the network accepts a detach initiated by the MS.	per GPRS service	Standard
sgsn	2G-nw-init-comb-detach-accept	INT32	Incremental	active	Total number of Network initiated combined (GPRS and IMSI) Detach Accept messages in response to requests of type 'Combined Gprs/Imsi Detach' in 2G service.	When the network accepts a detach initiated by the MS.	per GPRS service	Standard
sgsn	3G-nw-init-detach-abort	INT32	Incremental	active	This proprietary counter pegs when the SGSN stops the T3322 timer. Whenever the SGSN sends Detach-Request to a UE, it starts a T3322 timer to wait for Detach-Accept. The T3322 timer is stopped when one of the following is received: Detach-Accept, Detach-Request, or Context-Request.	Whenever the T3322 timer stops.	per SGSN service	Standard
sgsn	2G-nw-init-detach-abort	INT32	Incremental	active	This proprietary counter tracks the total number of network-initiated Detach-Requests aborted.	Whenever a network-initiated Detach-Request aborts.	per GPRS service	Standard
sgsn	3G-signalling-service-request	INT32	Incremental	active	Total number of Service Request messages received for type Signalling in 3G service.	When the MS initiates a Serving Request message.	per SGSN service, per RA	Standard
sgsn	2G-signalling-service-request	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-data-service-request	INT32	Incremental	active	Total number of Service Request messages received for type Data in 3G service.	When the MS initiates a Serving Request message.	per SGSN service, per RA	Standard
sgsn	2G-data-service-request	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-response	INT32	Incremental	active	Total number of Service Accept messages sent by the network in 3G service.	When the SGSN receives and accepts a Serving Request message in connected state.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-service-response	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-reject	INT32	Incremental	active	Total number of Service Reject messages sent by the network in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service, per RA	Standard
sgsn	2G-service-reject	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-netwk-fail	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service due to network failure.	Increments - when the SGSN initiates SAI towards HLR but the SGSN does not receive an SAI response - when there are too many Ius to the same MM context - if RNC is overloaded	per SGSN service, per RA	Standard
sgsn	2G-service-rej-netwk-fail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-imsi-unknown-at-hlr	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service due to unknown IMSI in HLR.	When we initiate SAI towards HLR but we get an 'imsi not known' from HLR.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-imsi-unknown-at-hlr	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-msid-not-derived-by-nwtk	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service as MSID can not derived by network from message.	When we get an unknown PTMSI service request from an MS.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-msid-not-derived-by-nwtk	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-implicity-detach	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service due to implicitly detach.	When we get a service request from an MS that is already detached.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-implicity-detach	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-illegal-ms	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service due to illegal mobile subscriber.	When authentication fails on a service request.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-illegal-ms	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-msg-not-compat-prot-state	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service as message is not compatible with protocol state.	When we get a service request for ongoing authentication or attach.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-msg-not-compat-prot-state	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-no-pdp-ctx-actv	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service as no PDP context is activated.	When we get a service request of type 'data' and we have no PDP contexts activated.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-no-pdp-ctx-actv	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-sem-wrong-msg	INT32	Incremental	active	Total number of Service Request messages rejected for 3G service as request message is semantically wrong.	When a decode failure happens on a service request.	per SGSN service, per RA	Standard
sgsn	2G-service-rej-sem-wrong-msg	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-service-rej-congestion	INT32	Incremental	active	This proprietary counter indicates the total number of service requests rejected due to congestion.	Service Requests rejected due to congestion.	per SGSN Service	Standard
sgsn	3G-service-rej-unknown-cause	INT32	Incremental	active	Total number of 3G Service Request messages rejected for unknown causes. Any number other than zero (0) indicates a software problem. This counter is new in release 9.0.	When a 3G Service Request is rejected.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-paging-request	INT32	Incremental	active	Total number of 3G service Paging Request messages originated by SGSN and sent to the Radio Network Controller (RNC) to contact mobile stations (MS).	1) Subscriber is in standby state and SGSN has some downlink signalling activity to do for network initiated detach procedure or downlink SM-messages (like modify-PDP-Request) to be sent. 2) Downlink data is to be sent to a standby subscriber	per SGSN service	Standard
sgsn	2G-paging-request	INT32	Incremental	active	Total number of 2G service Paging Request messages originated by SGSN and sent to the Radio Network Controller (RNC) to contact mobile stations (MS).	1) Subscriber is in standby state and SGSN has some downlink signalling activity to do for network initiated detach procedure or downlink SM-messages (like modify-PDP-Request) to be sent. 2) Downlink data is to be sent to a standby subscriber.	per GPRS service	Standard
sgsn	3G-ret-paging-request	INT32	Incremental	active	Total paging request messages retransmitted in packet switching (PS) domain for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-paging-request	INT32	Incremental	active	Total paging request messages retransmitted in packet switching (PS) domain for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-paging-success	INT32	Incremental	active	Total number of successful paging responses in 3G service.	Any successful Iu passing security started after Paging is started.	per SGSN service, per RA	Standard
sgsn	2G-paging-success	INT32	Incremental	active	Total number of successful paging responses in 2G service.	Any LLC uplink frame received after a Page-Request is sent to MS.	per GPRS service	Standard
sgsn	3G-cs-page-request	INT32	Incremental	active	Total paging request messages in circuit switching (CS) domain for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-cs-page-request	INT32	Incremental	active	Total paging request messages in circuit switching (CS) domain for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-cs-page-response	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-cs-page-response	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-gmm-status-sent	INT32	Incremental	active	Total GPRS mobility management procedure status messages sent for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-gmm-status-sent	INT32	Incremental	active	Total GPRS mobility management procedure status messages sent for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-gmm-status-rcvd	INT32	Incremental	active	Total GPRS mobility management procedure status messages received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-gmm-status-rcvd	INT32	Incremental	active	Total GPRS mobility management procedure status messages received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-gmm-info-sent	INT32	Incremental	active	Total messages sent with GPRS mobility management information for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-gmm-info-sent	INT32	Incremental	active	Total messages sent with GPRS mobility management information for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-auth-cipher-request	INT32	Incremental	active	Total authentication and ciphering request messages for 3G service.	Whenever authentication procedure is initiated.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-request	INT32	Incremental	active	Total authentication and ciphering request messages for 2G service.	Whenever authentication procedure is initiated.	per GPRS service	Standard
sgsn	3G-ret-auth-cipher-request	INT32	Incremental	active	Indicates the total number of authorization and cipher requests that were retransmitted in 3G.	On expiry of T3360 and a retransmission of auth and cipher request.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ret-auth-cipher-request	INT32	Incremental	active	Indicates the total number of authorization and cipher requests that were retransmitted in 2G.	On expiry of T3360 and a retransmission of auth and cipher request.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-response	INT32	Incremental	active	Total authentication and ciphering request response messages for 3G service.	Whenever the MS sends a authentication and cipher response message.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-response	INT32	Incremental	active	Total authentication and ciphering request response messages for 2G service.	Whenever the MS sends a authentication and cipher response message.	per GPRS service	Standard
sgsn	3G-auth-cipher-rsp-sres-mismatch	INT32	Incremental	active	Indicates the number of authentication and cipher responses received, in 3G service, with mismatching xres/sres values.	When a mismatching Xres is received in auth-response.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-rsp-sres-mismatch	INT32	Incremental	active	Indicates the number of authentication and cipher responses received, in 2G service, with mismatching xres/sres values.	When a mismatching Xres is received in auth-response.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-reject	INT32	Incremental	active	Total authentication and ciphering request reject messages for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-auth-cipher-reject	INT32	Incremental	active	Total authentication and ciphering request reject messages for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-auth-cipher-rej-xres-mismatch	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN due to xres not matching in 3G.	When auth-response has an xres mismatch and the SGSN proceeds to reject the MS because of it.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-rej-xres-mismatch	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN due to xres not matching in 2G.	When auth-response has an xres mismatch and the SGSN proceeds to reject the MS because of it.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-rej-sync-not-have-auts	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 3G when a SYNC failure is received without the AUTS parameter.	When an auth-failure message, with cause SYNC failure, is received but there is no AUTS (authentication token for re-synchronization) parameter.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-rej-sync-not-have-auts	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 2G when a SYNC failure is received without the AUTS parameter.	When an auth-failure message, with cause SYNC failure, is received but there is no AUTS (authentication token for re-synchronization) parameter.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-rej-many-sync-fail	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 3G when there was more than one SYNC failure.	When SGSN receives an auth-failure message with SYNC failure more than once in the same authentication procedure.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-rej-many-sync-fail	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 2G when there was more than one SYNC failure.	When SGSN receives an auth-failure message with SYNC failure more than once in the same authentication procedure.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-rej-many-mac-fail	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 3G when there was more than one MAC failure.	When SGSN receives an auth-failure message with MAC failure more than once in the same authentication procedure.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-auth-cipher-rej-many-mac-fail	INT32	Incremental	active	Indicates the number of auth and cipher rejects sent by the SGSN in 2G when there was more than one MAC failure.	When SGSN receives an auth-failure message with MAC failure more than once in the same authentication procedure.	per GPRS service, per RA	Standard
sgsn	3G-auth-cipher-mac-fail	INT32	Incremental	active	Total authentication and ciphering failed due to message authentication code (MAC) failure in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-mac-fail	INT32	Incremental	active	Total authentication and ciphering failed due to message authentication code (MAC) failure for 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn	3G-auth-cipher-syn-fail	INT32	Incremental	active	Total number of authentication and cipher procedure failures messages received with cause SYNC failure in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service, per RA	Standard
sgsn	2G-auth-cipher-syn-fail	INT32	Incremental	active	Total number of authentication and cipher procedure failures messages received with cause SYNC failure in 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn	3G-auth-unacceptable	INT32	Incremental	active	Total number of authentication and cipher procedure fail messages received with cause authentication unacceptable in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service, per RA	Standard
sgsn	2G-auth-unacceptable	INT32	Incremental	active	Indicates the number of authentication and cipher procedure fail messages received with cause authentication unacceptable in 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn	3G-ptmsi-realloc	INT32	Incremental	active	Total Packet-Temporary Mobile Subscriber Identity reallocation procedure for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-realloc	INT32	Incremental	active	Total Packet-Temporary Mobile Subscriber Identity reallocation procedure for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-ptmsi-realloc	INT32	Incremental	active	Total number of PTMSI-Reallocation commands retransmitted in the 3G service.	Increments on expiry of T3350 timer and a retransmission of the PTMSI-Reallocation command.	per SGSN service, per RA	Standard
sgsn	2G-ret-ptmsi-realloc	INT32	Incremental	active	Total number of PTMSI-Reallocation commands retransmitted in the 2G service.	Increments on expiry of T3350 timer and a retransmission of the PTMSI-Reallocation command.	per GPRS service, per RA	Standard
sgsn	3G-ptmsi-realloc-complete	INT32	Incremental	active	Total number of PTMSI-Reallocation Complete messages received at 3G.	When we receive a PTMSI Realloc Complete from MS in 3G.	per SGSN service, per RA	Standard
sgsn	2G-ptmsi-realloc-complete	INT32	Incremental	active	Total number of PTMSI-Reallocation Complete messages received at 2G.	When we receive a PTMSI Realloc Complete from MS in 2G.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-imsi-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMSI in 3G service.	When the SGSN initiates a Identity request to know the IMSI of the subscriber. This is done when: - Unknown local P-TMSI attach is received. - GTP-Identity with peer SGSN failed on a peer SGSN P-TMSI attach. - Authenticate response X-RES mismatch and the IMSI was not ascertained from the MS itself. - On a MAC failure and the IMSI was not ascertained from the MS itself.	per SGSN service, per RA	Standard
sgsn	2G-imsi-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMSI in 2G service.	When the SGSN initiates an identity request to know the IMSI of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per GPRS service	Standard
sgsn	3G-imei-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMEI for 3G service.	When the SGSN initiates an identity request to know the IMEI of the UE due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per SGSN service	Standard
sgsn	2G-imei-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMEI for 2G service.	When the SGSN initiates an identity request to know the IMEI of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per GPRS service	Standard
sgsn	3G-imeisv-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMEI-SV for 3G service.	When the SGSN initiates an identity request to know the IMEI-SV of the UE due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per SGSN service, per RA	Standard
sgsn	2G-imeisv-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMEI-SV for 2G service.	When the SGSN initiates an identity request to know the IMEI-SV of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-tmsi-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as T-IMSI for 3G service.	When the SGSN initiates an identity request to know the temporary IMSI of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per SGSN service, per RA	Standard
sgsn	2G-tmsi-identity-request	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMSI for 2G service.	When the SGSN initiates an identity request to know the IMSI of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per GPRS service	Standard
sgsn	3G-ret-imsi-identity-request	INT32	Incremental	active	Total number of IMSI identity request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-imsi-identity-request	INT32	Incremental	active	Total number of IMSI identity request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-imei-identity-request	INT32	Incremental	active	Total number of IMEI identity request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-imei-identity-request	INT32	Incremental	active	Total number of IMEI identity request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-imeisv-identity-request	INT32	Incremental	active	Total number of IMEI-SV identity request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-imeisv-identity-request	INT32	Incremental	active	Total number of IMEI-SV identity request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ret-tmsi-identity-request	INT32	Incremental	active	Total number of temporary IMS identity request messages retransmitted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ret-tmsi-identity-request	INT32	Incremental	active	Total number of temporary IMSI identity request messages retransmitted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-imsi-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMSI for 3G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMSI.	per SGSN service, per RA	Standard
sgsn	2G-imsi-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMSI for 2G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMSI.	per GPRS service	Standard
sgsn	3G-imei-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMEI for 3G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMEI.	per SGSN service, per RA	Standard
sgsn	2G-imei-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMEI for 2G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMEI.	per GPRS service	Standard
sgsn	3G-imeisv-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMEI-SV for 3G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMEI-SV.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-imeisv-identity-response	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMEI-SV for 2G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMEI-SV.	per GPRS service	Standard
sgsn	3G-unknown-identity-response	INT32	Incremental	active	Total number of unknown identity response sent for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-unknown-identity-response	INT32	Incremental	active	Total number of unknown identity response sent for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-tmsi-identity-response	INT32	Incremental	active	Total number of temporary IMSI identity response messages sent for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-tmsi-identity-response	INT32	Incremental	active	Total number of temporary IMSI identity response messages sent for 2G service.	Not Defined	Not Defined	Standard
sgsn	new-connection-rejected-overload	INT32	Incremental	active	This proprietary counter indicates the total number of new connection (inter-SGSN RAU and/or Attach) requests that were rejected due to an overload situation.	1) A congestion control mechanism is configured so that any new connection request received, that goes beyond the set threshold, will be rejected. 2) A network overload control feature is enabled and configured to accept new connections only at a defined rate. Incoming requests are buffered in a queue. When the queue is full additional requests can be rejected.	per SGSN Service	Standard
sgsn	2g-attach-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Attach Requests received with LAPI	2G Attach Requests received with LAPI	per GPRS Service	Standard
sgsn	2g-attach-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Attach Requests received without LAPI.	2G Attach Requests received without LAPI	per GPRS Service	Standard
sgsn	2g-attach-rej-cong-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Attach Requests rejected with LAPI due to congestion	2G Attach Requests rejected with LAPI due to congestion	per GPRS Service	Standard
sgsn	2g-attach-rej-cong-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Attach Requests rejected without LAPI due to congestion	2G Attach Requests rejected without LAPI due to congestion	per GPRS Service	Standard
sgsn	2g-attach-rej-cong-apn	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Attach Requests rejected due to apn level congestion	2G Attach Requests rejected due to apn level congestion	per GPRS Service	Standard
sgsn	2g-rau-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G RAU Requests received with LAPI.	2G RAU Requests received with LAPI.	per GPRS Service	Standard
sgsn	2g-rau-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G RAU Requests received without LAPI.	2G RAU Requests received without LAPI	per GPRS Service	Standard
sgsn	2g-inter-sgsn-rau-rej-cong-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G ISRAU Requests rejected with LAPI due to congestion	2G ISRAU Requests rejected with LAPI due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-sgsn-rau-rej-cong-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G ISRAU Requests rejected without LAPI due to congestion.	2G ISRAU Requests rejected without LAPI due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-sgsn-rau-rej-cong-apn	INT32	Incremental	active	This proprietary counter indicates the total number of 2G ISRAU Requests rejected due to apn congestion.	2G ISRAU Requests rejected due to apn congestion.	per GPRS Service	Standard
sgsn	2g-intra-rau-req-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Intra RAU Requests dropped due to congestion.	2G Intra RAU Requests dropped due to congestion.	per GPRS Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2g-intra-rau-req-cong-drop-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Intra RAU Requests with lapi dropped due to congestion.	2G Intra RAU Requests with lapi dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-intra-rau-req-cong-drop-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Intra RAU Requests without lapi dropped due to congestion	2G Intra RAU Requests without lapi dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-intra-rau-rej-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Intra RAU Requests with lapi rejected due to congestion.	2G Intra RAU Requests with lapi rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-intra-rau-rej-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Intra RAU Requests without lapi rejected due to congestion.	2G Intra RAU Requests without lapi rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-rej	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU Requests rejected due to congestion.	Inter RAT RAU Requests rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-rej-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU Requests with LAPI rejected due to congestion.	Inter RAT RAU Requests with LAPI rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-rej-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU requests without LAPI rejected due to congestion.	Inter RAT RAU requests without LAPI rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-rej	INT32	Incremental	active	This proprietary counter indicates the total number of Inter GPRS Service RAU Request rejected due to congestion.	Inter GPRS Service RAU Request rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-rej-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter-GPRS Service RAU Request with LAPI rejected due to congestion.	Inter-GPRS Service RAU Request with LAPI rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-rej-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter GPRS Service RAU Request without LAPI rejected due to congestion.	Inter GPRS Service RAU Request without LAPI rejected due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-drop	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU Requests dropped due to congestion.	Inter RAT RAU Requests dropped due to congestion	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-drop-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU requests with LAPI dropped due to congestion.	Inter RAT RAU requests with LAPI dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-rat-rau-cong-drop-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter RAT RAU requests without LAPI dropped due to congestion.	Inter RAT RAU requests without LAPI dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-drop	INT32	Incremental	active	This proprietary counter indicates the total number of Inter GPRS Service RAU Requests dropped due to congestion.	Inter GPRS Service RAU Requests dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-drop-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter GPRS Service RAU requests with LAPI dropped due to congestion.	Inter GPRS Service RAU requests with LAPI dropped due to congestion.	per GPRS Service	Standard
sgsn	2g-inter-gprs-srv-rau-cong-drop-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of Inter GPRS Service RAU requests without LAPI dropped due to congestion.	Inter GPRS Service RAU requests without LAPI dropped due to congestion.	per GPRS Service	Standard
sgsn	3g-att-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach Requests received without LAPI.	3G Attach request with LAPI received	per SGSN Service	Standard
sgsn	3g-rau-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU Requests received without LAPI.	3G RAU Request without LAPI received.	per SGSN Service	Standard
sgsn	3g-serv-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Service Requests received without LAPI.	Service Request message received without LAPI.	per SGSN Service	Standard
sgsn	3g-att-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach Requests received with LAPI	3G Attach request with LAPI received.	per SGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3g-rau-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU Requests received with LAPI.	3G RAU request with LAPI received.	per SGSN Service	Standard
sgsn	3g-serv-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Service Requests received with LAPI.	Service Request message received with LAPI.	per SGSN Service	Standard
sgsn	ret-3g-att-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach Requests retried without LAPI	3G Attach request with LAPI retried	per SGSN Service	Standard
sgsn	ret-3g-rau-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU Requests retried without LAPI.	3G RAU Request without LAPI retried.	per SGSN Service	Standard
sgsn	ret-3g-serv-req-without-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Service Requests retried without LAPI.	Service Request message retried without LAPI.	per SGSN Service	Standard
sgsn	ret-3g-att-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach Requests retried with LAPI	3G Attach request with LAPI retried	per SGSN Service	Standard
sgsn	ret-3g-rau-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU Requests retried with LAPI.	3G RAU request with LAPI retried.	per SGSN Service	Standard
sgsn	ret-3g-serv-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Service Requests retried with LAPI.	Service Request message retried with LAPI.	per SGSN Service	Standard
sgsn	3g-att-rej-without-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach requests rejected due to congestion without LAPI.	3G Attach Request without LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-rau-rej-without-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU requests rejected due to congestion without LAPI.	3G RAU Request without LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-rau-drop-without-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU requests dropped due to congestion without LAPI	3G RAU Requests without LAPI dropped due to congestion.	per SGSN Service	Standard
sgsn	3g-serv-req-rej-without-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G service requests rejected due to congestion without LAPI.	Service Requests without LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-serv-req-drop-without-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of service requests dropped due to congestion without LAPI.	Service Request message received with LAPI is dropped due to congestion.	per SGSN Service	Standard
sgsn	3g-att-rej-with-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach requests rejected due to congestion with LAPI.	3G Attach Request with LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-rau-rej-with-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU requests rejected due to congestion with LAPI.	3G RAU Request with LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-rau-drop-with-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU requests dropped due to congestion with LAPI.	Not Defined	per SGSN Service	Standard
sgsn	3g-serv-req-rej-with-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G service requests rejected due to congestion with LAPI.	Service Request with LAPI rejected due to congestion.	per SGSN Service	Standard
sgsn	3g-serv-req-drop-with-lapi-cong	INT32	Incremental	active	This proprietary counter indicates the total number of service requests dropped due to congestion with LAPI	Service Request message received without LAPI is dropped due to congestion	per SGSN Service	Standard
sgsn	3g-att-rej-apn-based-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Attach requests rejected due to apn level congestion.	3G Attach Requests rejected due to APN based congestion.	per SGSN Service	Standard
sgsn	3g-rau-rej-apn-based-cong	INT32	Incremental	active	This proprietary counter indicates the total number of 3G RAU requests rejected due to apn level congestion.	3G RAU Requests rejected due to APN based congestion.	per SGSN Service	Standard
sgsn	3G-T3350-expiry	INT32	Incremental	active	Total number of times the T3350 timer timed-out for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-T3350-expiry	INT32	Incremental	active	Total number of times the T3350 timer timed-out for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-T3360-expiry	INT32	Incremental	active	Total number of times the T3360 timer timed-out for 3G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-T3360-expiry	INT32	Incremental	active	Total number of times the T3360 timer timed-out for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry	INT32	Incremental	active	Total number of times the T3370 timer timed-out for 3G service. This bulk statistic is deprecated from release R 16.0 onwards. New counters are introduced to replace this counter. The new counters are based on Identity type.	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry	INT32	Incremental	active	Total number of times the T3370 timer timed-out for 2G service. This bulk statistic is deprecated from release R 16.0 onwards. New counters are introduced to replace this counter. The new counters are based on Identity type.	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry-imsi	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry-imsi	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry-imei	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry-imei	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry-imeisv	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry-imeisv	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry-tmsi	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry-tmsi	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-T3370-expiry-unknown	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-T3370-expiry-unknown	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-T3322-expiry	INT32	Incremental	active	Total number of times the T3322 timer timed-out for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-T3322-expiry	INT32	Incremental	active	Total number of times the T3322 timer timed-out for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-T3313-expiry	INT32	Incremental	active	Total number of times the T3313 timer timed-out for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-T3313-expiry	INT32	Incremental	active	Total number of times the T3313 timer timed-out for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-Lockout-Timer-Start	INT32	Incremental	active	This proprietary counter pegs when the downlink-data-lockout timer starts. -- If a UE does not respond to the SGSN's page, then the T3313 timer would expire , and if the paging-failure-action downlink-data-lockout-timer option is enabled in the configuration, then this downlink-data-lockout timer would be started with the value configured. Only upon expiry of this timer can the UE be paged again.	downlink-data-lockout timer expires after page timer expires.	per SGSN service	Standard
sgsn	2G-Lockout-Timer-Start	INT32	Incremental	active	This proprietary counter tracks the total number of times the downlink-data-lockout timer has started.	Increments when downlink-data-lockout timer starts, including the 'repeat' number of times configured.	per GPRS service	Standard
sgsn	3G-Lockout-Timer-Stop	INT32	Incremental	active	This proprietary counter pegs when the downlink-data-lockout timer stops. This timer stops during Detach procedure, whether Detach is initiated by the SGSN or the UE.	Whenever the downlink-data-lockout timer stops during a Detach procedure.	per SGSN service	Standard
sgsn	2G-Lockout-Timer-Stop	INT32	Incremental	active	This proprietary counter tracks the total number of times the downlink-data-lockout timer has stopped.	Uplink activity from the UE causes the timer to stop.	per GPRS service	Standard
sgsn	3G-Lockout-Timer-Expiry	INT32	Incremental	active	This proprietary counter pegs when the downlink-data-lockout timer expires. -If a UE does not respond to the SGSN's page, then the T3313 timer would expire, and if the paging-failure-action downlink-data-lockout-timer option is enabled in the configuration, then this downlink-data-lockout timer would be started with the value configured. Only upon expiry of this timer can the UE be paged again.Note: The UE cannot be re-paged while downlink-data lockout timer is running.	Increments whenever the d ownlink-data-lockout timer expires which happens after the page timer expires.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-Lockout-Timer-Expiry	INT32	Incremental	active	This proprietary counter tracks the total number of times the downlink-data-lockout timer has expired. The Downlink Data Lockout Timer is a configurable timer added for both GPRS and SGSN services to reduce the frequency of mobile-initiated keep alive messages. If enabled, this timer starts whenever the paging procedure fails after the maximum number of retransmissions and the Page Proceed Flag (PPF) is cleared. If there is any downlink activity when the lockout timer is running, the packets are dropped and the drop cause is set as Page Failed. When the lockout timer expires, the PPF is set to true and further downlink packets are queued and paging is re-initiated. In order to avoid endless paging activity when there is no page response or uplink activity from the UE, an optional configurable repeat count value is used. If the repeat value is configured as 'y' then the lockout timer is started 'y' number of times after page failure.	Increments when downlink-data-lockout timer expires, including the 'repeat' number of times configured.	per GPRS service	Standard
sgsn	2G-ready-timer-expiry	INT32	Incremental	active	Total number of times the 2G service ready timer timed-out.	Not Defined	Not Defined	Standard
sgsn	exist-conn-proc-rej-overload	INT32	Gauge	active	This proprietary counter indicates the total number of ongoing procedures rejected or skipped due to an overload indication received from the RNCs. When an overload indication is received from an RNC, the SGSN can reduce the signaling load on the RNC by doing one or more of the following: - dropping attaches, - dropping service requests for data, - skipping PTMSI reallocation, - skipping authentication The preferred action is configurable.	Counter When connection is dropped due to overload.	per SGSN	Standard
sgsn	Rnc-overload-attach-dropped	INT32	Incremental	active	Total number of Attach Requests dropped due to overload at RNC.	Not Defined	Not Defined	Standard
sgsn	Rnc-overload-service-req-dropped	INT32	Incremental	active	Total number of service requests dropped due to overload at RNC.	Not Defined	Not Defined	Standard
sgsn	Rnc-overload-skip-ptmsi-realloc	INT32	Incremental	active	Total number of P-TMSI reallocation procedure skipped due to overload at RNC.	Not Defined	Not Defined	Standard
sgsn	Rnc-overload-skip-auth	INT32	Incremental	active	Total number of authentication procedure skipped due to overload at RNC.	Not Defined	Not Defined	Standard
sgsn	Initial-UE-Rcvd	INT32	Incremental	active	Total number of initial user equipment (UE) messages received.	Not Defined	Not Defined	Standard
sgsn	Direct-Trans-Rcvd	INT32	Incremental	active	Total number of common identifier messages sent.	Not Defined	Not Defined	Standard
sgsn	Direct-Trans-Sent	INT32	Incremental	active	Total number of direct transfer messages sent.	Not Defined	Not Defined	Standard
sgsn	common-id-sent	INT32	Incremental	active	Total number of direct transfer messages received.	Not Defined	Not Defined	Standard
sgsn	sec-mode-command	INT32	Incremental	active	Total number of security mode commands received.	Not Defined	Not Defined	Standard
sgsn	sec-mode-complete	INT32	Incremental	active	Total number of security mode completed.	Not Defined	Not Defined	Standard
sgsn	sec-mode-reject	INT32	Incremental	active	Total number of security mode commands rejected.	Not Defined	Not Defined	Standard
sgsn	Iu-release-request	INT32	Incremental	active	Total number of Iu interface release request received.	Not Defined	Not Defined	Standard
sgsn	Iu-release-command	INT32	Incremental	active	Total number of Iu interface release commands received.	Not Defined	Not Defined	Standard
sgsn	Iu-release-command-with-radio-lost-ue	INT32	Incremental	active	Total number of Iu interface release commands due to rab release with radio lost received.	Not Defined	Not Defined	Standard
sgsn	Iu-release-command-rab-ass-rsp-with-radio-lost-ue	INT32	Incremental	active	Total number of Iu interface release commands due to rab assignment response with radio lost received.	Not Defined	Not Defined	Standard
sgsn	Iu-release-complete	INT32	Incremental	active	Total number of Iu interface release completed.	Not Defined	Not Defined	Standard
sgsn	Reset-received	INT32	Incremental	active	Total number of reset requests received.	Not Defined	Not Defined	Standard
sgsn	Retransmitted-reset-received	INT32	Incremental	active	Total number of retransmitted reset requests received.	Not Defined	Not Defined	Standard
sgsn	Reset-Ack-sent	INT32	Incremental	active	Total number of reset request acknowledgement sent.	Not Defined	Not Defined	Standard
sgsn	Reset-sent	INT32	Incremental	active	Total number of reset requests sent.	Not Defined	Not Defined	Standard
sgsn	Retransmitted-reset-sent	INT32	Incremental	active	Total number of reset requests retransmitted.	Not Defined	Not Defined	Standard
sgsn	Reset-Ack-received	INT32	Incremental	active	Total number of reset request acknowledgement received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	Resource-reset-received	INT32	Incremental	active	Total number of resource reset requests received.	Not Defined	Not Defined	Standard
sgsn	Resource-reset-ack-sent	INT32	Incremental	active	Total number of resource reset request acknowledgement sent.	Not Defined	Not Defined	Standard
sgsn	Resource-reset-sent	INT32	Incremental	active	Total number of resource reset request sent.	Not Defined	Not Defined	Standard
sgsn	Resource-reset-ack-received	INT32	Incremental	active	Total number of resource reset request acknowledgement received.	Not Defined	Not Defined	Standard
sgsn	Overload-control-rcvd	INT32	Incremental	active	Total number of resource overload control message received.	Not Defined	Not Defined	Standard
sgsn	Pc-congested-rcvd	INT32	Incremental	active	Total number of point code (PC) congested message received.	Not Defined	Not Defined	Standard
sgsn	Error-indication-rcvd	INT32	Incremental	active	Total number of error indication message received.	Not Defined	Not Defined	Standard
sgsn	Error-indication-sent	INT32	Incremental	active	Total number of error indication message sent.	Not Defined	Not Defined	Standard
sgsn	Relocation-required	INT32	Incremental	active	Total number of message received for Serving Radio Network Subsystem (SRNS) relocation required.	Not Defined	Not Defined	Standard
sgsn	Relocation-command	INT32	Incremental	active	Total number of message received with SRNS relocation command.	Not Defined	Not Defined	Standard
sgsn	Relocation-request	INT32	Incremental	active	Total number of SRNS relocation requests received.	Not Defined	Not Defined	Standard
sgsn	Relocation-request-ack	INT32	Incremental	active	Total number of SRNS relocation requests Ack sent.	Not Defined	Not Defined	Standard
sgsn	Relocation-failure	INT32	Incremental	active	Total number of SRNS relocation failure messages received.	Not Defined	Not Defined	Standard
sgsn	Relocation-prep-failure	INT32	Incremental	active	Total number of SRNS relocation preparation failure messages received.	Not Defined	Not Defined	Standard
sgsn	Relocation-cancel	INT32	Incremental	active	Total number of SRNS relocation cancel messages received.	Not Defined	Not Defined	Standard
sgsn	Relocation-cancel-ack	INT32	Incremental	active	Total number of SRNS relocation cancel acknowledge messages sent.	Not Defined	Not Defined	Standard
sgsn	Relocation-detect	INT32	Incremental	active	Total number of SRNS relocation detected.	Not Defined	Not Defined	Standard
sgsn	Relocation-complete	INT32	Incremental	active	Total number of SRNS relocation completed.	Not Defined	Not Defined	Standard
sgsn	Forward-srns-context	INT32	Incremental	active	Total number of SRNS contexts forwarded.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-apn-not-supported-in-plmn-rat-cum	INT32	Incremental	active	Total number of 3G activate requests rejected due to APN not supported in PLMN and RAT combination	When UE initiated primary activation is rejected due to apn not supported in 2G	Not Defined	Standard
sgsn	3G-2G-irat-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during 3G to 2G IRAT due to APN not supported in 2G	When PDP dropped during 3G to 2G IRAT due to apn not supported in 2G	Not Defined	Standard
sgsn	2G-actv-rej-apn-not-supported-in-plmn-rat-cum	INT32	Incremental	active	Total number of 2G activate requests rejected due to APN not supported in PLMN and RAT combination	When UE initiated primary activation is rejected due to apn not supported in 2G	Not Defined	Standard
sgsn	2G-3G-irat-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during 2G to 3G IRAT due to APN not supported in 3G	When PDP dropped during 2G to 3G IRAT due to apn not supported in 3G	Not Defined	Standard
sgsn	2G-inter-svc-rau-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during inter GPRS service RAU due to APN not supported in target GPRS service.	When PDP dropped during inter GPRS service RAU due to apn not supported in target gprs-service	Not Defined	Standard
sgsn	2G-israu-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during 2G new SGSN RAU due to APN not supported in 2G	When PDP dropped during 2G new SGSN RAU due to apn not supported in 2G	Not Defined	Standard
sgsn	3G-israu-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during 3G new SGSN RAU due to APN not supported in 3G	When PDP dropped during 3G new SGSN RAU due to apn not supported in 3G	Not Defined	Standard
sgsn	3G-srns-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of PDPs dropped during 3G new SGSN SRNS due to APN not supported in 3G	When PDP dropped during 3G new SGSN SRNS due to apn not supported in 3G	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-nrpca-pdp-drop-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Number of network requested primary activate requests rejected due to APN not supported in 3G	When network requested Primary activation is rejected due to APN not supported in 3G	Not Defined	Standard
sgsn	GMM-received-nas-pdu	INT32	Incremental	active	Total protocol data units received by GPRS mobility management (GMM) service through NAS interface.	Not Defined	Not Defined	Standard
sgsn	GMM-sent-nas-pdu	INT32	Incremental	active	Total protocol data units sent by GMM service through NAS interface.	Not Defined	Not Defined	Standard
sgsn	SM-received-nas-pdu	INT32	Incremental	active	Total protocol data units received by Service Management (SM) service through NAS interface.	Not Defined	Not Defined	Standard
sgsn	SM-sent-nas-pdu	INT32	Incremental	active	Total protocol data units sent by SM service through NAS interface.	Not Defined	Not Defined	Standard
sgsn	SMS-received-nas-pdu	INT32	Incremental	active	Total protocol data units received by short message service (SMS) through NAS interface.	Not Defined	Not Defined	Standard
sgsn	SMS-sent-nas-pdu	INT32	Incremental	active	Total protocol data units sent by short message service (SMS) through NAS interface.	Not Defined	Not Defined	Standard
sgsn	SMS-unexpected-nas-pdu	INT32	Incremental	active	Total unexpected type of protocol data units received by short message service (SMS) through NAS interface.	Not Defined	Not Defined	Standard
sgsn	Unidentified-nas-pdu	INT32	Incremental	active	Total number of unknown type PDUs received through NAS interface.	Not Defined	Not Defined	Standard
sgsn	3G-ptmsi-signature-mismatch-attach	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in attach procedures for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-signature-mismatch-attach	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in attach procedures for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ptmsi-signature-mismatch-detach	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in detach procedures for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-signature-mismatch-detach	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in detach procedures for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ptmsi-signature-mismatch-rau	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in routing area update procedures for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ptmsi-signature-mismatch-rau	INT32	Incremental	active	Total number of NAS PDU dropped due to mismatch in P-TMSI signatures in routing area update procedures for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-total-actv-req	INT32	Incremental	active	Total number of 3G Context Activation Request messages received, including both primary and secondary types.	Increments when: SGSN receives Activate PDP Context Request from an MS. SGSN receives Secondary Activate PDP Context Request from an MS.	per SGSN service, per RA	Standard
sgsn	2G-total-actv-req	INT32	Incremental	active	Total number of 2G Context Activation Request messages received, including both primary and secondary types.	Increments when: SGSN receives Activate PDP Context Request from an MS. SGSN receives Secondary Activate PDP Context Request from an MS.	per GPRS service	Standard
sgsn	3G-total-actv-accept	INT32	Incremental	active	Total number of request messages accepted for 3G context activation including primary and secondary type.	When the SGSN sends Activate Accept or Activate Secondary Accept to the MS upon successful PDP Activation.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-total-actv-accept	INT32	Incremental	active	Total number of request messages accepted for 2G context activation including primary and/or secondary type.	When the SGSN sends Activate Accept or Activate Secondary Accept to the MS upon successful PDP Activation.	per GPRS service	Standard
sgsn	3G-total-num-actv-pdp	INT32	Gauge	active	Total number of active PDP context (primary and secondary type) for 3G service in SGSN.	1) When the context is completely active in the SGSN. 2) Decrements when the context is deleted from the SGSN.	per SGSN service, per RAI	Standard
sgsn	2G-total-num-actv-pdp	INT32	Gauge	active	Total number of active PDP context (primary and secondary type) for 2G service in SGSN.	1) When the context is completely active in the SGSN. 2) Decrements when the context is deleted from the SGSN.	per GPRS service	Standard
sgsn	3G-activated-gn-pdp-ctx-with-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 3G Gn Activate PDP Contexts with LAPI.	If LAPI bit present in 3G Gn activation request	Service level	Standard
sgsn	3G-activated-gn-pdp-ctx-without-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 3G Gn Activate PDP Contexts without LAPI.	If LAPI bit not present in 3G Gn activation request.	Service level	Standard
sgsn	3G-activated-s4-pdp-ctx-with-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 3G S4 Activate PDP Contexts with LAPI.	If LAPI bit present in 3G S4 activation request	Service level	Standard
sgsn	3G-activated-s4-pdp-ctx-without-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 3G S4 Activate PDP Contexts without LAPI.	If LAPI bit not present in 3G S4 activation request.	Service level	Standard
sgsn	2G-activated-gn-pdp-ctx-with-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 2G Gn Activate PDP Contexts with LAPI.	If LAPI bit present in 2G Gn activation request	Service level	Standard
sgsn	2G-activated-gn-pdp-ctx-without-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 2G Gn Activate PDP Contexts without LAPI	If LAPI bit not present in 2G Gn activation request	Service level	Standard
sgsn	2G-activated-s4-pdp-ctx-with-lapi	INT32	Gauge	active	This proprietary gauge indicates the number of 2G S4 Activate PDP Contexts with LAPI.	If LAPI bit present in 2G S4 activation request.	Service level	Standard
sgsn	2G-activated-s4-pdp-ctx-without-lapi	INT32	Gauge	active	This Proprietary gauge indicates the number of 2G S4 Activate PDP Contexts without LAPI	If LAPI bit not present in 2G S4 activation request	Service level	Standard
sgsn	3G-total-actv-pdp-with-dir-tunnel	INT32	Gauge	active	Total number of active PDP context (primary and secondary type) for 3G service with direct tunnel enabled.	1) When the context is completely active in the SGSN with Direct tunnel established 2) Decrements when the context is deleted from the SGSN or when direct tunnel is removed	per SGSN service, per RAI	Standard
sgsn	3G-primary-actv-req	INT32	Incremental	active	Total number of request messages received for 3G primary PDP context activation.	Not Defined	Not Defined	Standard
sgsn	2G-primary-actv-req	INT32	Incremental	active	Total number of request messages received for 2G primary PDP context activation.	Not Defined	Not Defined	Standard
sgsn	3G-primary-actv-req-with-lapi	INT32	Incremental	active	This Proprietary counter indicates the total number of 3G Primary Activation Request Received with LAPI.	Received LAPI in Primary Activation Request.	Service level	Standard
sgsn	2G-primary-actv-req-with-lapi	INT32	Incremental	active	This Proprietary counter indicates the total number of 2G Primary Activation Request Received with LAPI.	Received LAPI in Primary Activation Request.	Service level	Standard
sgsn	3G-primary-actv-req-nrpca	INT32	Incremental	active	Total number of request messages received for 3G primary PDP context activation from network side.	Not Defined	Not Defined	Standard
sgsn	3G-primary-req-act-pdp	INT32	Incremental	active	Total number of requests to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-primary-req-act-pdp-retrans	INT32	Incremental	active	Total number of requests retransmitted to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn	3G-primary-actv-accept	INT32	Incremental	active	Total number of requests accepted to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-primary-actv-accept	INT32	Incremental	active	Total number of requests accepted to activate primary PDP context for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-total-actv-reject	INT32	Incremental	active	Total number of requests to activate PDP context (primary and secondary) rejected for 3G service.	When the SGSN sends Activate Reject or Activate Secondary Reject to the MS.	per SGSN service, per RAI	Standard
sgsn	3G-total-actv-reject-internal	INT32	Incremental	active	This proprietary counter tracks the total number of Primary and Secondary PDP Activation Rejects due to internal triggers.	SGSN sends an Activate Reject or Activate Seconday Reject to MS due to internal triggers.	per SGSN service, per RA	Standard
sgsn	3G-total-actv-reject-external	INT32	Incremental	active	This proprietary counter tracks the total number of Primary and Secondary PDP Activation Rejects due to external triggers.	SGSN sends an Activate Reject or Activate Seconday Reject to MS due to external triggers.	per SGSN service, per RA	Standard
sgsn	2G-total-actv-reject	INT32	Incremental	active	Total number of requests to activate PDP context (primary and secondary) rejected for 2G service.	When the SGSN sends Activate Reject or Activate Secondary Reject to the MS.	per GPRS service	Standard
sgsn	3G-primary-actv-reject	INT32	Incremental	active	Total number of requests rejected to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-primary-actv-reject	INT32	Incremental	active	Total number of requests rejected to activate primary PDP context for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-primary-actv-congestion-reject	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Primary Activation Reject due to Congestion.	System under congestion and received primary activation request	Service level	Standard
sgsn	3G-primary-actv-congestion-lapi-reject	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Primary Activation Reject due to Congestion and LAPI.	System under congestion and received primary activation request for LAPI.	Service level	Standard
sgsn	2G-primary-actv-congestion-lapi-reject	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Primary Activation Reject due to Congestion and LAPI.	System under congestion and received primary activation request for LAPI.	Service level	Standard
sgsn	3G-secondary-actv-req	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-secondary-actv-req	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-secondary-actv-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Secondary Activation Request Received with LAPI.	Received LAPI in Secondary Activation Request	Service level	Standard
sgsn	2G-secondary-actv-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Secondary Activation Request Received with LAPI.	Received LAPI in Secondary Activation Request	Service level	Standard
sgsn	3G-secondary-actv-acc	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service accepted.	Not Defined	Not Defined	Standard
sgsn	2G-secondary-actv-acc	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service accepted.	Not Defined	Not Defined	Standard
sgsn	3G-secondary-actv-rej	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected.	Not Defined	Not Defined	Standard
sgsn	2G-secondary-actv-rej	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected.	Not Defined	Not Defined	Standard
sgsn	3G-secondary-actv-congestion-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Secondary Activation Reject due to Congestion.	System under congestion and received secondary activation request.	Service level	Standard
sgsn	3G-secondary-actv-congestion-lapi-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Secondary Activation Reject due to Congestion and LAPI.	System under congestion and received secondary activation request for LAPI.	Service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-secondary-actv-congestion-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Secondary Activation Reject due to Congestion.	System under congestion and received secondary activation request.	Service level	Standard
sgsn	2G-secondary-actv-congestion-lapi-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 2G Secondary Activation Reject due to Congestion and LAPI.	System under congestion and received secondary activation request for LAPI.	Service level	Standard
sgsn	2G-total-num-actv-pdp-on-s4	INT32	Gauge	active	The number of 2G PDP contexts activated via S4 interface.	If S4 interface is chosen for a subscriber, this counter is incremented during PDP activation. If S4 interface is chosen for a subscriber, this counter is decreased upon PDP deactivation.	per GPRS Service	Standard
sgsn	3G-total-num-actv-pdp-on-s4	INT32	Gauge	active	The number of 2G PDP contexts activated via S4 interface.	If S4 interface is chosen for a subscriber, this counter is incremented during PDP activation. If S4 interface is chosen for a subscriber, this counter is decreased upon PDP deactivation.	per SGSN Service	Standard
sgsn	2G-num-subs-with-isr	INT32	Gauge	active	The number of 2G activated subscribers with ISR enabled.	During MME to SGSN RAU (new SGSN RAU procedure) or during SGSN to MME RAU (old SGSN RAU procedure), if ISR is activated after Context Ack message then this counter is incremented. Gauge decreases for various ISR deactivation scenarios: receiving Detach Notification from MME, receiving Delete Bearer Req with ISR deactivation cause from SGW, intra-SGSN RAU with S-GW relocation, S3 path failure, intra-SGSN inter-RAT RAU with S-GW relocation.	per GPRS Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-num-subs-with-isr	INT32	Gauge	active	The number of 3G activated subscribers with ISR enabled.	During MME to SGSN RAU (new SGSN RAU procedure), during SGSN to MME RAU (old SGSN RAU procedure), or during MME to SGSN SRNS relocation or SGSN to MME SRNSrelocation, if ISR is activated after Context Ack message then this counter is incremented. Gauge decreases for various ISR deactivation scenarios such as: receiving Detach Notification from MME, receiving Delete Bearer Req with ISR deactivation cause from SGW, intra-SGSN RAU with S-GW relocation, S3 path failure, intra-SGSN inter-RAT RAU with S-GW relocation, or instra-SGSN SRNS relocation with S-GW relocation..	per SGSN Service	Standard
sgsn	3G-actv-rej-odb	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-odb	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-insufficient-resources	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to one of the following: Resource allocation failures (memory, GTP-C Teid, GTP-U Teid, etc.) in SGSN Incorrect information sent by GGSN in CPC response (PDP Type modified by GGSN, missing PDP IP address, etc. SNDCP activation failure	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	3G-actv-rej-insufficient-resources-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'insufficient resources' as cause, due to external triggers.	The counter When one of the following occurs: Qos Negotiation Failure with GGSN or QoS not present in activation request. Operator policy restrictions. GGSN Has No Memory sent as the cause in the CPC response. GGSN Changed PDP Type in the CPCR. GGSN PDP Addr Alloc Failure. RNC GTPU Path Failure when activation is in progress. RNC RAB Establishment Failure.	per SGSN service, per RA	Standard
sgsn	3G-actv-rej-insufficient-resources-int	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'insufficient resources' as cause, due to internal triggers.	SGSN has no memory to process the activation procedure.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-actv-rej-insufficient-resources	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to: Resource allocation failures (memory, GTP-C Teid, GTP-U Teid, etc.) in SGSN Incorrect information sent by GGSN in CPC response (PDP Type modified by GGSN, missing PDP IP address, etc.) SNDCP activation failure	When the SGSN sends Activate Reject for the above conditions.	per GPRS Service, RAI	Standard
sgsn	3G-actv-rej-network-failure	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to network failure.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Network failure. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service, per RAI	Standard
sgsn	3G-actv-rej-network-failure-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'network failure' as cause, due to external triggers.	The counter When any one of the following occurs: GTPC path failure, DNS failure, UPCR with system failure (UPCQ triggered due to change in Qos in RAB rsp,UPCQ triggered due to Direct-Tunnel)	per SGSN service, per RA	Standard
sgsn	3G-actv-rej-network-failure-int	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'network failure' as cause, due to internal triggers.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard
sgsn	2G-actv-rej-network-failure	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to network failure.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Network failure. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn	3G-actv-rej-missing-or-unknown-apn	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to APN related errors such as: APN not present in Activate Request but multiple subscription records exist DNS query fails for APN to GGSN resolution Missing/Unknown APN received from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-missing-or-unknown-apn	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to APN related errors such as: APN not present in Activate Request but multiple subscription records exist DNS query fails for APN to GGSN resolution Missing/Unknown APN received from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard
sgsn	3G-actv-rej-unknown-pdp-addr-type	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to PDP Address related errors such as: PDP Address requested in Activate Request but PDP Address Type not requested APN requested in Activate Request without PDP Address Type Unknown PDP Address or Type error received in Create PDP Context Response from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-actv-rej-unknown-pdp-addr-type	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to PDP Address related errors such as: PDP Address requested in Activate Request but PDP Address Type not requested APN requested in Activate Request without PDP Address Type Unknown PDP Address or Type error received in Create Pdp Context Response from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard
sgsn	3G-actv-rej-usr-auth-failed	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to user authentication failure on GGSN.	When the SGSN receives Create PDP Context Response with authentication failure cause.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-usr-auth-failed	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to user authentication failure on GGSN.	When the SGSN receives Create PDP Context Response with authentication failure cause.	per GPRS service	Standard
sgsn	3G-actv-rej-by-ggsn	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service due to receiving Create PDP Context Response from GGSN with a cause of: Insufficient resources All Dynamic PDP address occupied	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-by-ggsn	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service due to receiving Create PDP Context Response from GGSN with a cause of: Insufficient resources All Dynamic PDP address occupied	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-apn-not-supported-in-plmn-rat	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-unspecified-error	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to: Receiving Create PDP Context Response from GGSN with a cause of system failure GGSN fails to respond to CPC Request SGSN triggers PDP deletion before receiving CPC response from GGSN HLR triggers PDP deletion before receiving CPC response (Delete Subscriber Data received from HLR for the PDP)	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	3G-actv-rej-unspecified-error-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'unspecified error' as cause, due to external triggers.	The counter When any one of the following occurs: CPCR with System failure CAMEL Release Req during activation No response for CPCR,UPCR during Activation (UPCQ triggered due to change in QoS in RAB rsp/Direct Tunnel)	per SGSN service, per RA	Standard
sgsn	3G-actv-rej-unspecified-error-int	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'unspecified error' as cause, due to internal triggers.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-actv-rej-unspecified-error	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to: Receiving Create PDP Context Response from GGSN with a cause of system failure GGSN fails to respond to CPC Request SGSN triggers PDP deletion before receiving CPC response from GGSN HLR triggers PDP deletion before receiving CPC response (Delete Subscriber Data received from HLR for the PDP)	When the SGSN sends Activate Reject for the above conditions.	per GPRS service	Standard
sgsn	3G-actv-rej-service-not-supported	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as requested service is not supported.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-service-not-supported	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as requested service is not supported.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn	3G-actv-rej-service-not-subscribed	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected as subscriber is not subscribed to requested service due to: APN Selection failures such as: Requested APN/PDP-Type/PDP-Addr not matching the subscription. Wild card APN requested but multiple subscription records exist for the subscriber. APN Access denied, No subscription error was received in Create PDP Context Response from GGSN.	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-service-not-subscribed	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as subscriber is not subscribed to requested service due to: APN selection failures such as: Requested APN/PDP-Type/PDP-Addr not matching the subscription. Wild card APN requested but multiple subscription records exist for the subscriber. APN Access denied and No subscription error was received in Create PDP Context Response from GGSN.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service	Standard
sgsn	3G-actv-rej-svc-opt-tmp-out-of-order	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-svc-opt-tmp-out-of-order-int	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'service option temporarily out of order' as cause, due to internal triggers.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard
sgsn	3G-actv-rej-svc-opt-tmp-out-of-order-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'service option temporarily out of order' as cause, due to external triggers.	SRNS during Activation.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-actv-rej-svc-opt-tmp-out-of-order	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-apn-restriction-incompatible	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to restriction of APN or incompatibility of APN for service.	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-apn-restriction-incompatible	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected due to restriction of APN or incompatibility of APN for service.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-semantically-incorrect	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to semantically incorrect IE message in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-semantically-incorrect	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to semantically incorrect IE message in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-invalid-mandatory-info	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to invalid mandatory IE in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-invalid-mandatory-info	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to invalid mandatory IE in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-msg-type-non-existent	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-msg-type-non-existent	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-ie-non-existent	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected upon receiving Create PDP Context Response from GGSN with a cause of Mandatory IE missing.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-ie-non-existent	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected upon receiving Create PDP Context Response from GGSN with a cause of Mandatory IE missing.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to conditional IE (Information Element) error in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to conditional IE (Information Element) error in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-msg-not-compatible-with-prot-state	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected as message type is not compatible with protocol state.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-actv-rej-msg-not-compatible-with-prot-state	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as message type is not compatible with protocol state.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	3G-actv-rej-recovery-on-timer-expiry	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-recovery-on-timer-expiry	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-prot-err-unspecified	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected upon receiving Create PDP Context Response from GGSN with a cause of unspecified protocol error.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-actv-rej-prot-err-unspecified	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected upon receiving Create PDP Context Response from GGSN with a cause of unspecified protocol error.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service, per RAI	Standard
sgsn	2G-actv-rej-llc-sndcp-fail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-qos-not-acc	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-semantic-error-tft-operation	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-semantic-error-tft-operation	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-syntax-err-in-tft-operation	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-syntax-err-in-tft-operation	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-unknown-pdp-context	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-unknown-pdp-context	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-semantic-err-in-pkt-filter	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-semantic-err-in-pkt-filter	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-syntax-err-in-pkt-filter	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-syntax-err-in-pkt-filter	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-actv-rej-pdp-notft-actv	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-actv-rej-pdp-notft-actv	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-odb	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-odb	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-insufficient-resources	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-insufficient-resources-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Secondary PDP Activation Rejects, with 'insufficient resources' as cause, due to external triggers.	When any one of the following occurs: QoS Negotiation Failure with GGSN or QoS not present in activation request. Operator policy restrictions. GGSN Has No Memory sent as the cause in the CPCR. RNC GTPU Path Failure when activation is in progress. RNC RAB Establishment Failure. Activation request when Bundle deactivation is in progress. Activation request when Primary PDP context activated is GTPv0.	per SGSN service, per RA	Standard
sgsn	3G-sec-actv-rej-insufficient-resources-int	INT32	Incremental	active	This proprietary counter tracks the total number of Secondary PDP Activation Rejects, with 'insufficient resources' as cause, due to internal triggers.	SGSN has no memory to process the activation procedure.	per SGSN service, per RA	Standard
sgsn	2G-sec-actv-rej-insufficient-resources	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-by-ggsn	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as request rejected by the GGSN.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-sec-actv-rej-by-ggsn	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as request rejected by the GGSN.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-unspecified-error	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to error which is not specified in this table or unknown.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-unspecified-error-ext	INT32	Incremental	active	This proprietary counter tracks the total number of Secondary PDP Activation Rejects, with 'unspecified error' as cause, due to external triggers.	The counter When any one of the following occurs: CPCR with System failure CAMEL Release Req during activation No response for CPCR,UPCR during Activation (UPCQ triggered due to change in Qos in RAB rsp/Direct Tunnel)	per SGSN service, per RA	Standard
sgsn	3G-sec-actv-rej-unspecified-error-int	INT32	Incremental	active	This proprietary counter tracks the total number of Secondary PDP Activation Rejects, with 'unspecified error' as cause, due to internal triggers.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service, per RA	Standard
sgsn	2G-sec-actv-rej-unspecified-error	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to error which is not specified in this table or unknown.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-service-not-supported	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 3G service rejected as requested service is not supported.	When the SGSN sends Activate Secondary Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service, per RAI	Standard
sgsn	2G-sec-actv-rej-service-not-supported	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 2G service rejected as requested service is not supported.	When the SGSN sends Activate Secondary Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn	3G-sec-actv-rej-service-not-subscribed	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 3G service rejected as subscriber is not subscribed to requested service due to: APN Selection related errors such as: Activate PDP Request without PDP Address/Type and APN, and multiple subscription records present. Activate PDP Request with PDP Type (and address) and no matching subscription records for the PDP Type. Activate PDP Request with dynamic addressing but matching subscription records have static address. Create PDP Context Response from GGSN is received with error code Access denied, no subscription.	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-sec-actv-rej-service-not-subscribed	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 2G service rejected as subscriber is not subscribed to requested service due to: APN Selection related errors such as: Activate PDP Request without PDP Address/Type and APN, and multiple subscription records present. Activate PDP Request with PDP Type (and address) and no matching subscription records for the PDP Type. Activate PDP Request with dynamic addressing but matching subscription records have static address. Create PDP Context Response from GGSN is received with error code Access denied, no subscription.	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard
sgsn	3G-sec-actv-rej-svc-opt-tmp-out-of-order	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-svc-opt-tmp-out-of-order	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-semantically-incorrect	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-semantically-incorrect	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-invalid-mandatory-info	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-invalid-mandatory-info	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-msg-type-non-existent	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-msg-type-non-existent	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-ie-non-existent	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-ie-non-existent	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-msg-not-compat-prot-state	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-msg-not-compat-prot-state	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-recovery-on-timer-expiry	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-sec-actv-rej-recovery-on-timer-expiry	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-prot-err-unspecified	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-prot-err-unspecified	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-llc-sndcp-fail	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-qos-not-acc	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-semantic-error-tft-operation	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-semantic-error-tft-operation	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-syntax-err-in-tft-operation	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to syntax error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-syntax-err-in-tft-operation	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to syntax error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-unknown-pdp-context	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to unknown type of PDP context.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-unknown-pdp-context	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to unknown type of PDP context.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-semantic-err-in-pkt-filter	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-semantic-err-in-pkt-filter	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-syntax-err-in-pkt-filter	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-syntax-err-in-pkt-filter	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-pdp-notft-actv	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to TFT was not active.	Not Defined	Not Defined	Standard
sgsn	2G-sec-actv-rej-pdp-notft-actv	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to TFT was not active.	Not Defined	Not Defined	Standard
sgsn	3G-sec-actv-rej-coll-with-net-init-req	INT32	Incremental	active	Total number of Activate Secondary Rejects sent with cause collision with network-initiated request against Activate Secondary Requests in a 3G network.	Increment when secondary activation fails because: the SGSN receives a bearer resource failure indication with egtp cause EGTP_CAUSE_COLLISION_WITH_NETWORK_INIT_REQUEST, and the SGSNsends Activate Secondary Reject, with cause collision with network-initiated request, to the UE.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-sec-actv-rej-coll-with-net-init-req	INT32	Incremental	active	Total number of Activate Secondary Rejects sent with cause collision with network-initiated request against Activate Secondary Requests in a 2G network.	Increment when secondary activation fails because: the SGSN receives a bearer resource failure indication with egtp cause EGTP_CAUSE_COLLISION_WITH_NETWORK_INIT_REQUEST, and the SGSNsends Activate Secondary Reject, with cause collision with network-initiated request, to the UE.	per GPRS service	Standard
sgsn	3G-total-actv-fail	INT32	Incremental	active	Total number of PDP context activation (primary and secondary) failed for 3G service due to: GMM procedure collision Duplicate Activate Requests in non-active states (activation or deactivation in progress) Detach before activation is over Handoff to Peer before activation is over GTP Tunnel deletion in case of Second PDP Activations IU release before the completion of activation procedure	When the SGSN drops PDP Activate Request for all the above conditions.	per SGSN service, per RAI	Standard
sgsn	2G-total-actv-fail	INT32	Incremental	active	Total number of PDP context activation (primary and secondary) failed for 2G service due to: GMM procedure collision Duplicate Activate Requests in non-active states (activation or deactivation in progress) Detach before activation is over Handoff to Peer before activation is over GTP Tunnel deletion in case of Second PDP Activations	When the SGSN drops PDP Activate Request for all the above conditions.	per GPRS service	Standard
sgsn	3G-primary-actv-fail	INT32	Incremental	active	Total number of primary PDP context activations that failed in the 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-primary-actv-fail	INT32	Incremental	active	Total number of Primary PDP Activation Requests dropped due to: GMM procedure collision. Duplicate Activate Requests in non-active states (activation or deactivation in progress). Detach before activation completes. Handoff to peer before activation completes.	When the SGSN drops the Primary PDP Activate Request for indicated condition.	per GPRS service, per RA	Standard
sgsn	3G-secondary-actv-fail	INT32	Incremental	active	Total number of secondary PDP context activations that failed in the 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-secondary-actv-fail	INT32	Incremental	active	New counter in release 9.0: Total number of Secondary PDP Activation Requests dropped due to: GMM procedure collision. Duplicate Activate Requests in non-active states (activation or deactivation in progress). Detach before activation completes. Handoff to peer before activation completes. GTP tunnel deletion.	When the SGSN drops the Secondary PDP Activate Request for indicated condition.	per GPRS service, per RA	Standard
sgsn	3G-actv-fail-iu-release-before-activate	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to IU release before the completion of activation procedure.	When the SGSN drops PDP Activate Request due to IU release before the completion of activation procedure.	per SGSN service, per RA	Standard
sgsn	3G-actv-fail-gaurd-timer-expiry	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to SM Guard Timer Expiry.	When the SGSN drops PDP Activate Request due to SM Guard Timer Expiry.	per SGSN service, per RA	Standard
sgsn	3G-actv-fail-duplicate-activation	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to an ongoing PDP Activation.	When the SGSN drops PDP Activate Request due to PDP Activation in progress.	per SGSN service, per RA	Standard
sgsn	3G-actv-fail-other-ongoing-procedure	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to other ongoing procedures such as: Activate Request during network initiated detach Page timer expiry while trying to send Activate Accept/Reject	When the SGSN drops PDP Activate Request due to other ongoing procedures.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-actv-fail-tunnel-deactivation	INT32	Incremental	active	Total number of PDP Activation Requests that fail due to tunnel deactivation.	Not Defined	per SGSN service, per RA	Standard
sgsn	3G-actv-fail-handoff-before-activate-over	INT32	Incremental	active	Total number of PDP Activation Request dropped due to Handoff request from Peer SGSN for the subscriber.	When the SGSN drops PDP Activate Request due to Handoff request from Peer SGSN for the subscriber.	per SGSN Service and per RA	Standard
sgsn	3G-actv-fail-detach-before-activate-over	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to detach request while activation was in progress.	When the SGSN drops PDP Activate Request due to detach request while activation was in progress. SGSN for the subscriber.	per SGSN Service and per RA	Standard
sgsn	3G-actv-fail-phase-2-offload	INT32	Incremental	active	This proprietary counter indicates the total number of PDP Activation failures due to Phase 2 offloading in 3G service. This statistics is specific to releases 8.1 and higher.	When PDP Activation fails due to Phase 2 offloading.	per SGSN service, per RA, per RNC	Standard
sgsn	3G-actv-fail-invalid-message-content	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to invalid information in activate request such as invalid Ti flag value.	When the SGSN drops PDP Activate Request due to above condition.	per SGSN Service and per RA	Standard
sgsn	2G-actv-fail-gaurd-timer-expiry	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to SM Guard Timer Expiry.	When the SGSN drops PDP Activate Request due to SM Guard Timer Expiry.	per GPRS service	Standard
sgsn	2G-actv-fail-duplicate-activation	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to an ongoing PDP Activation.	When the SGSN drops PDP Activate Request due to PDP Activation in progress.	per GPRS service	Standard
sgsn	2G-actv-fail-other-ongoing-procedure	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to other ongoing procedures such as: (1) Activate Request during network initiated detach. (2) Page timer expiry while trying to send Activate Accept/Reject.	When the SGSN drops PDP Activate Request due to other ongoing procedures	per GPRS service	Standard
sgsn	2G-actv-fail-tunnel-deactivation	INT32	Incremental	active	Total number of PDP Activation Requests that fail due to tunnel deactivation.	Not Defined	per GPRS Service and per NSEI	Standard
sgsn	2G-actv-fail-handoff-before-activate-over	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to Handoff request from Peer SGSN for the subscriber.	When the SGSN drops PDP Activate Request due to Handoff request from Peer SGSN for the subscriber.	per GPRS service	Standard
sgsn	2G-actv-fail-detach-before-activate-over	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to detach request while activation was in progress.	When the SGSN drops PDP Activate Request due to detach request while activation was in progress. SGSN for the subscriber.	per GPRS service	Standard
sgsn	2G-actv-fail-phase-2-offload	INT32	Incremental	active	This proprietary counter indicates the total number of PDP Activation failures due to Phase 2 offloading in 2G service. This statistics is specific to releases 8.1 and higher.	When PDP Activation fails due to Phase 2 offloading.	per GPRS service, per RA	Standard
sgsn	2G-actv-fail-invalid-msg-content	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to invalid information in activate request such as invalid Ti flag value	When the SGSN drops PDP Activate Request due to above condition	per GPRS service	Standard
sgsn	3G-dupl-ti-pdpactive	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service with duplicate transaction identifiers (TIs).	Not Defined	Not Defined	Standard
sgsn	2G-dupl-ti-pdpactive	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service with duplicate transaction identifiers (TIs).	Not Defined	Not Defined	Standard
sgsn	3G-dupl-nsapi-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service with duplicate Network Service Access Point Identifier (NSAPI).	Not Defined	Not Defined	Standard
sgsn	2G-dupl-nsapi-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service with duplicate Network Service Access Point Identifier (NSAPI).	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-dupl-pdpaddr-apn-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service with duplicate PDP address or APN name.	Not Defined	Not Defined	Standard
sgsn	2G-dupl-pdpaddr-apn-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service with duplicate PDP address or APN name.	Not Defined	Not Defined	Standard
sgsn	3G-dupl-ti-n-pdpactive	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service which are not in PDP active state with duplicate transaction identifiers (TIs).	Not Defined	Not Defined	Standard
sgsn	2G-dupl-ti-n-pdpactive	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service which are not in PDP active state with duplicate transaction identifiers (TIs).	Not Defined	Not Defined	Standard
sgsn	3G-dupl-nsapi-n-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service which are not in PDP active state with duplicate Network Service Access Point Identifier (NSAPI).	Not Defined	Not Defined	Standard
sgsn	2G-dupl-nsapi-n-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service which are not in PDP active state with duplicate Network Service Access Point Identifier (NSAPI).	Not Defined	Not Defined	Standard
sgsn	3G-dupl-pdpaddr-apn-n-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 3G service which are not in PDP active state with duplicate PDP address and access point name.	Not Defined	Not Defined	Standard
sgsn	2G-dupl-pdpaddr-apn-n-pdpactv	INT32	Incremental	active	Total number of duplicate context activation requests for 2G service which are not in PDP active state with duplicate PDP address and access point name.	Not Defined	Not Defined	Standard
sgsn	2G-dupl-pdpaddr-apn-n-pdpactv	INT32	Incremental	active	Total number of MS initiated PDP context modification address and access point name.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-req	INT32	Incremental	active	Total number of MS initiated PDP context modification requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-req	INT32	Incremental	active	Total number of MS initiated PDP context modification requests received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 3G MS Initiated Modify Request Received with LAPI.	Received LAPI in MS Initiated Modify Request.	Service level	Standard
sgsn	2G-ms-modify-req-with-lapi	INT32	Incremental	active	This proprietary counter indicates the total number of 2G MS Initiated Modify Request Received with LAPI.	Received LAPI in MS Initiated Modify Request	Service level	Standard
sgsn	3G-ms-modify-accept	INT32	Incremental	active	Total number of MS initiated PDP context modification requests accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-accept	INT32	Incremental	active	Total number of MS initiated PDP context modification requests accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej	INT32	Incremental	active	Total number of MS initiated PDP context modification requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej	INT32	Incremental	active	Total number of MS initiated PDP context modification requests rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-congestion-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Modify Reject due to congestion.	System under congestion and received modification request	Service level	Standard
sgsn	3G-ms-modify-congestion-lapi-rej	INT32	Incremental	active	This proprietary counter indicates the total number of 3G Modify Reject due to congestion and LAPI.	System under congestion and received modification request for LAPI.	Service level	Standard
sgsn	2G-ms-modify-congestion-rej	INT32	Incremental	active	Not Defined	Not Defined	Nothing	Standard
sgsn	2G-ms-modify-congestion-lapi-rej	INT32	Incremental	active	Not Defined	Not Defined	Nothing	Standard
sgsn	3G-nw-modify-req	INT32	Incremental	active	Total number of network initiated PDP context modification requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-modify-req	INT32	Incremental	active	Total number of network initiated PDP context modification requests received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-ret-modify-req	INT32	Incremental	active	Total number of retransmitted network initiated PDP context modification requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-ret-modify-req	INT32	Incremental	active	Total number of retransmitted network initiated PDP context modification requests received for 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-nw-modify-accept	INT32	Incremental	active	Total number of network initiated PDP context modification requests accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-modify-accept	INT32	Incremental	active	Total number of network initiated PDP context modification requests accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-modify-rej	INT32	Incremental	active	Total number of network initiated PDP context modification requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-modify-rej	INT32	Incremental	active	Total number of network initiated PDP context modification requests rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-insufficient-resources	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-insufficient-resources	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-service-opt-not-supported	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected as requested service option is not supported.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-service-opt-not-supported	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected as requested service option is not supported.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-semantic-err-tft-operation	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to semantic error in subscriber traffic flow template processing.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-semantic-err-tft-operation	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to semantic error in subscriber traffic flow template processing.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-syntax-err-tft-operation	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to syntax error in subscriber traffic flow template operation.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-syntax-err-tft-operation	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to syntax error in subscriber traffic flow template operation.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-semnatic-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-semnatic-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-syntax-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-syntax-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-semnatic-incorrect-message	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-semnatic-incorrect-message	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-invalid-mand-info	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-invalid-mand-info	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-msg-non-existent	INT32	Incremental	active	Total number of MS initiated requests to modify PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ms-modify-rej-msg-non-existent	INT32	Incremental	active	Total number of MS initiated requests to modify PDP context for 2G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-ie-non-existent	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-ie-non-existent	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-conditional-ie-err	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-conditional-ie-err	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-msg-not-compatible-prot-state	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-msg-not-compatible-prot-state	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	3G-ms-modify-rej-prot-err-unspec	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	2G-ms-modify-rej-prot-err-unspec	INT32	Incremental	active	Total number of MS initiated modify PDP context requests for 2G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-insufficient-resources	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-insufficient-resources	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-service-opt-not-supported	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected as requested service option is not supported.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-service-opt-not-supported	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected as requested service option is not supported.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-semantic-err-tft-operation	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to semantic error in subscriber traffic flow template processing.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-semantic-err-tft-operation	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to semantic error in subscriber traffic flow template processing.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-syntax-err-tft-operation	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to syntax error in subscriber traffic flow template operation.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-syntax-err-tft-operation	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to syntax error in subscriber traffic flow template operation.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-semnatic-err-pkt-filter	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-semnatic-err-pkt-filter	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-modify-rej-syntax-err-pkt-filter	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-syntax-err-pkt-filter	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-semnatic-incorrect-message	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-semnatic-incorrect-message	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-invalid-mand-info	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-invalid-mand-info	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-msg-non-existent	INT32	Incremental	active	Total number of MS initiated requests to modify PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-msg-non-existent	INT32	Incremental	active	Total number of MS initiated requests to modify PDP context for 2G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-ie-non-existent	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-ie-non-existent	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-conditional-ie-err	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-msg-not-compatible-prot-state	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-msg-not-compatible-prot-state	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	3G-modify-rej-prot-err-unspec	INT32	Incremental	active	Total number of requests to modify PDP context for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	2G-modify-rej-prot-err-unspec	INT32	Incremental	active	Total number of requests to modify PDP context for 2G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-accept	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests sent to MS accepted for 3G service.	When the SGSN sends Deactivate Accept in response to MS initiated PDP deactivation.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ms-deactv-accept	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests sent to MS accepted for 2G service.	When the SGSN sends Deactivate Accept in response to MS initiated PDP deactivation.	per GPRS service	Standard
sgsn	3G-ms-deactv-reject	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-reject	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-odb	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 3G service due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-odb	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 2G service due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-mbms-cap-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 3G service due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-mbms-cap-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 2G service due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-llc-sndcp-fail-gb	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 3G service due to failure at the logical link control with sub network dependent convergence protocol at Gb interface.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-llc-sndcp-fail-gb	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 2G service due to failure at the logical link control with sub network dependent convergence protocol at Gb interface.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to insufficient resources in download direction for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to insufficient resources in download direction for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-miss-unkwn-apn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to missing or unknown APN for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-miss-unkwn-apn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to missing or unknown APN for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-unkwn-pdp-addr	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown PDP context name or address for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-unkwn-pdp-addr	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown PDP context name or address for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-usr-auth-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as user authentication failed for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-usr-auth-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as user authentication failed for 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-ms-deactv-rej-rx-actv-rej-ggsn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as request rejected by corresponding GGSN for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-actv-rej-ggsn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as request rejected by corresponding GGSN for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-actv-rej-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown or unspecified reasons for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-actv-rej-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown or unspecified reasons for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-service-opt-no-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is not supported for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-service-opt-no-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is not supported for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-service-opt-no-subs	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as subscriber is not subscribed requested service option for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-service-opt-no-subs	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as subscriber is not subscribed requested service option for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-svc-opt-temp-out-order	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is temporarily out of order for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-svc-opt-temp-out-order	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is temporarily out of order for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-nsapi-already-used	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested NSAPI is already in use for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-nsapi-already-used	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested NSAPI is already in use for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-reg-deactv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to registration of deactivate message for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-reg-deactv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to registration of deactivate message for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-qos-not-acc	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested QoS is not accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-qos-not-acc	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested QoS is not accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-nwt-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to network failure for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-nwt-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to network failure for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-reactivation-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due re-activation request arrived before completion of deactivation procedure for 3G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ms-deactv-rej-rx-reactivation-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due re-activation request arrived before completion of deactivation procedure for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-no-feature-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as requested feature is not supported.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-no-feature-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as requested feature is not supported.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-sem-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantic error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-sem-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to semantic error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-syn-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to syntax error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-syn-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to syntax error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-unknown-ctx	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to unknown context in request.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-unknown-ctx	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to unknown context in request.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-ctx-no-tft-already-actv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as no TFT is active in this context.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-ctx-no-tft-already-actv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as no TFT is active in this context.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-mcast-grp-mem-tout	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as multicast group memory is timed-out.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-mcast-grp-mem-tout	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as multicast group memory is timed-out.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-sem-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-sem-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-ms-deactv-rej-rx-syn-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-ms-deactv-rej-rx-syn-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-ms-deactv-rej-rx-invalid-trans-id	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for the 3G service, with cause Invalid Transaction ID. Trigger : Increments on receiving Deactivate Request from an MS with the cause Invalid Transaction ID; i.e., deactivated due to invalid transaction ID.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-invalid-trans-id	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for the 2G service, with cause Invalid Transaction ID. Trigger : Increments on receiving Deactivate Request from an MS with the cause Invalid Transaction ID; i.e., deactivated due to invalid transaction ID.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-sem-incorrect-msg	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for 3G service, with cause Semantically incorrect message. Trigger : Increments on receiving Deactivate Request from an MS with the cause Semantically incorrect message ; i.e., deactivated due to semantically incorrect message.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-sem-incorrect-msg	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for 2G service, with cause Semantically incorrect message. Trigger : Increments on receiving Deactivate Request from an MS with the cause Semantically incorrect message ; i.e., deactivated due to semantically incorrect message.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-inval-mand-info	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for 3G service, with cause Invalid mandatory information. Trigger : Increments on receiving Deactivate Request from an MS with the cause Invalid mandatory information; i.e., deactivation initiated due to invalid mandatory information	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-inval-mand-info	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received, for 2G service, with cause Invalid mandatory information. Trigger : Increments on receiving Deactivate Request from an MS with the cause Invalid mandatory information; i.e., deactivation initiated due to invalid mandatory information	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-msg-non-existent	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause Message type non-existent or not implemented. Trigger : Increments on receiving Deactivate Request from anMS with the cause Message type non-existent or not implemented; i.e., deactivation due to non-existent type of message.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-msg-non-existent	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause Message type non-existent or not implemented. Trigger : Increments on receiving Deactivate Request from anMS with the cause Message type non-existent or not implemented; i.e., deactivation due to non-existent type of message.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-ie-non-existent	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause Information element non-existent or not implemented. Trigger : Increments on receiving Deactivate Request from an MS with the cause Information element non-existent or not implemented; i.e., deactivation intiated due to non-existence of information element.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-ie-non-existent	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause Information element non-existent or not implemented. Trigger : Increments on receiving Deactivate Request from an MS with the cause Information element non-existent or not implemented; i.e., deactivation intiated due to non-existence of information element.	Not Defined	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-ms-deactv-rej-rx-cond-ie-err	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause Conditional IE error. Trigger : Increments on receiving Deactivate Request from an MS with the cause Conditional IE error; i.e., deactivation due to error in conditional information element.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-cond-ie-err	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause Conditional IE error. Trigger : Increments on receiving Deactivate Request from an MS with the cause Conditional IE error; i.e., deactivation due to error in conditional information element.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-prot-err-unspec	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause Protocol error, unspecified. Trigger : Increments on receiving Deactivate Request from an MS with the cause Protocol error, unspecified; i.e., deactivation due to unspecified protocol error.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-prot-err-unspec	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause Protocol error, unspecified. Trigger : Increments on receiving Deactivate Request from an MS with the cause Protocol error, unspecified; i.e., deactivation due to unspecified protocol error.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-apn-rest-incomap-actv-pdp	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause APN restriction value incompatible with active PDP context. Trigger : Increments on receiving Deactivate Request from an MS with the cause APN restriction value incompatible with active PDP context; i.e., deactivation initiated due to incompatible APN for PDP context activation..	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-apn-rest-incomap-actv-pdp	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause APN restriction value incompatible with active PDP context. Trigger : Increments on receiving Deactivate Request from an MS with the cause APN restriction value incompatible with active PDP context; i.e., deactivation initiated due to incompatible APN for PDP context activation..	Not Defined	per SGSN service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-msg-not-compat-prot-state	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause Message type not compatible with the protocol state. Trigger : Increments on receiving Deactivate Request from an MS with the cause Message type not compatible with the protocol state; i.e,. deactivation as message is not compatible with protocol state.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-ms-deactv-rej-rx-msg-not-compat-prot-state	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause Message type not compatible with the protocol state. Trigger : Increments on receiving Deactivate Request from an MS with the cause Message type not compatible with the protocol state; i.e,. deactivation as message is not compatible with protocol state.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-ms-deactv-rej-rx-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 3G service with cause recovery on timer expiry. Trigger : Increments on receiving Deactivate Request from an MS with the cause recovery on timer expiry; i.e., deactivation as timer expired for recovery.	Not Defined	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-ms-deactv-rej-rx-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS-initiated Deactivate Requests received for 2G service with cause recovery on timer expiry. Trigger : Increments on receiving Deactivate Request from an MS with the cause recovery on timer expiry; i.e., deactivation as timer expired for recovery.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-sgsn-init-deact-req	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivation Requests received for 3G service. Trigger : Increments on sending the Deactivate Request towards an MS due to SGSN-initiated deactivation.	Not Defined	per SGSN service, per RA	Standard
sgsn	2G-sgsn-init-deact-req	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivation Requests received for 2G service. Trigger : Increments on sending the Deactivate Request towards an MS due to SGSN-initiated deactivation.	Not Defined	per GPRS service, per RA	Standard
sgsn	3G-sgsn-init-deact-acc	INT32	Incremental	active	Total number of SGSN initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to SGSN initiated Deactivation Request sent to MS.	per SGSN service, per RAI	Standard
sgsn	2G-sgsn-init-deact-acc	INT32	Incremental	active	Total number of SGSN initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to SGSN initiated Deactivation Request sent to MS.	per GPRS service	Standard
sgsn	3G-sgsn-init-deact-rej	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivations for which Deactivation Accept has not been received for the 3G service.	When there is no response; i.e., no Deactivate Accept received for the Deactivate Request sent towards the MS because the deactivation was SGSN-initiated.	per SGSN service, per RA	Standard
sgsn	2G-sgsn-init-deact-rej	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivations for which Deactivation Accept has not been received for the 2G service.	When there is no response; i.e., no Deactivate Accept received for the Deactivate Request sent towards the MS because the deactivation was SGSN-initiated.	per GPRS service, per RA	Standard
sgsn	3G-ggsn-init-deact-req	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests received for the 3G service.	When the SGSN sends Deactivate Request towards MS due to GGSN-initiated Deactivation Request.	per SGSN service, per RA	Standard
sgsn	2G-ggsn-init-deact-req	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests received for the 2G service.	When the SGSN sends Deactivate Request towards MS due to GGSN-initiated Deactivation Request.	per GPRS service, per RA	Standard
sgsn	3G-ggsn-init-deact-acc	INT32	Incremental	active	Total number of GGSN initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to GGSN initiated Deactivation Request sent to MS.	per SGSN service, per RAI	Standard
sgsn	2G-ggsn-init-deact-acc	INT32	Incremental	active	Total number of GGSN initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to GGSN initiated Deactivation Request sent to MS.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-ggsn-init-deact-rej	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests for which Deactivate Accept has not been received in the 3G service.	When no response is received; i.e,. no Deactivate Accept is received in for the Deactivate Request sent towards the MS due to GGSN-Initiated deactivation.	per SGSN service, per RA	Standard
sgsn	2G-ggsn-init-deact-rej	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests for which Deactivate Accept has not been received in the 2G service.	When no response is received; i.e,. no Deactivate Accept is received in for the Deactivate Request sent towards the MS due to GGSN-Initiated deactivation.	per GPRS service, per RA	Standard
sgsn	3G-hlr-init-deact-req	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests received for the 3G service.	When the SGSN sends Deactivate Request towards an MS due to HLR-initiated Deactivation Request.	per SGSN service, per RA	Standard
sgsn	2G-hlr-init-deact-req	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests received for the 2G service.	When the SGSN sends Deactivate Request towards an MS due to HLR-initiated Deactivation Request.	per GPRS service, per RA	Standard
sgsn	3G-hlr-init-deact-acc	INT32	Incremental	active	Total number of HLR initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to HLR initiated Deactivation Request sent to MS.	per SGSN service, per RAI	Standard
sgsn	2G-hlr-init-deact-acc	INT32	Incremental	active	Total number of HLR initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to HLR initiated Deactivation Request sent to MS.	per GPRS service	Standard
sgsn	3G-hlr-init-deact-rej	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests for which Deactivation Accept has not been received in the 3G service.	When no response is received; i.e., no Deactivate Accept received for the Deactivate Request the SGSN sent towards the MS due to HLR-initiated deactivation.	per SGSN service, per RA	Standard
sgsn	2G-hlr-init-deact-rej	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests for which Deactivation Accept has not been received in the 2G service.	When no response is received; i.e., no Deactivate Accept received for the Deactivate Request the SGSN sent towards the MS due to HLR-initiated deactivation.	per GPRS service, per RA	Standard
sgsn	3G-nw-deactv-rej-tx-odb	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent towards MS due to operator determined barring in the 3G service.	Increments on sending Deactivate Request to an MS with cause operator determined barring.	per SGSN service, per RA	Standard
sgsn	2G-nw-deactv-rej-tx-odb	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent towards MS due to operator determined barring in the 2G service.	Increments on sending Deactivate Request to an MS with cause operator determined barring.	per GPRS service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-nw-deactv-rej-tx-mbms-cap-insuff-res	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent to an MS due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability for 3G service.	Increments on sending Deactivate Request to an MS due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability.	per SGSN service, per RA	Standard
sgsn	2G-nw-deactv-rej-tx-mbms-cap-insuff-res	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent to an MS due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability for 2G service.	Increments on sending Deactivate Request to an MS due to insufficient resources for Multimedia Broadcast/Multicast Service (MBMS) capability.	per GPRS service, per RA	Standard
sgsn	3G-nw-deactv-rej-tx-llc-sndcp-fail-gb	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent to an MS due to failure at the logical link control layer, with the subnetwork dependent convergence protocol, at the Gb interface for 3G service.	Increments on sending Deactivation Requests an MS due to failure at the logical link control layer, with the subnetwork dependent convergence protocol, at the Gb interface.	per SGSN service, per RA	Standard
sgsn	2G-nw-deactv-rej-tx-llc-sndcp-fail-gb	INT32	Incremental	active	Total number of NW-initiated PDP Context Deactivation Requests sent to an MS due to failure at the logical link control layer, with the subnetwork dependent convergence protocol, at the Gb interface for 2G service.	Increments on sending Deactivation Requests an MS due to failure at the logical link control layer, with the subnetwork dependent convergence protocol, at the Gb interface.	per GPRS service, per RA	Standard
sgsn	3G-nw-deactv-rej-tx-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to insufficient resources in download direction for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-insuff-res	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to insufficient resources in download direction for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-miss-unkwn-apn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to missing or unknown APN for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-miss-unkwn-apn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to missing or unknown APN for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-unkwn-pdp-addr	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown PDP context name or address for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-unkwn-pdp-addr	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown PDP context name or address for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-usr-auth-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as user authentication failed for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-usr-auth-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as user authentication failed for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-actv-rej-ggsn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as request rejected by corresponding GGSN for 3G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-nw-deactv-rej-tx-actv-rej-ggsn	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as request rejected by corresponding GGSN for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-actv-rej-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown or unspecified reasons for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-actv-rej-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown or unspecified reasons for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-service-opt-no-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is not supported for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-service-opt-no-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is not supported for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-service-opt-no-subs	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as subscriber is not subscribed requested service option for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-service-opt-no-subs	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as subscriber is not subscribed requested service option for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-svc-opt-temp-out-order	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is temporarily out of order for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-svc-opt-temp-out-order	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is temporarily out of order for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-nsapi-already-used	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested NSAPI is already in use for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-nsapi-already-used	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested NSAPI is already in use for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-reg-deactv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to registration of deactivate message for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-reg-deactv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to registration of deactivate message for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-qos-not-acc	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested QoS is not accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-qos-not-acc	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested QoS is not accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-nwt-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to network failure for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-nwt-fail	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to network failure for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-reactivation-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due re-activation request arrived before completion of deactivation procedure for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-reactivation-req	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due re-activation request arrived before completion of deactivation procedure for 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-nw-deactv-rej-tx-no-feature-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as requested feature is not supported.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-no-feature-support	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as requested feature is not supported.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-sem-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantic error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-sem-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to semantic error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-syn-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to syntax error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-syn-err-tft-op	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to syntax error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-unknown-ctx	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to unknown context in request.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-unknown-ctx	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to unknown context in request.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-ctx-no-tft-already-actv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as no TFT is active in this context.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-ctx-no-tft-already-actv	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as no TFT is active in this context.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-mcast-grp-mem-tout	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as multicast group memory is timed-out.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-mcast-grp-mem-tout	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as multicast group memory is timed-out.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-sem-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-sem-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-syn-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-syn-err-pkt-filter	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-invalid-trans-id	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to invalid transaction id.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-invalid-trans-id	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to invalid transaction id.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	3G-nw-deactv-rej-tx-sem-incorrect-msg	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-sem-incorrect-msg	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-inval-mand-info	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-inval-mand-info	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-msg-non-existent	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-msg-non-existent	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-ie-non-existent	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-ie-non-existent	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-cond-ie-err	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-cond-ie-err	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-prot-err-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-prot-err-unspec	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-apn-rest-incomap-actv-pdp	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to incompatible APN for PDP context activation.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-apn-rest-incomap-actv-pdp	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected due to incompatible APN for PDP context activation.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-msg-not-compat-prot-state	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-msg-not-compat-prot-state	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn	3G-nw-deactv-rej-tx-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn	2G-nw-deactv-rej-tx-rcvry-on-tmr-expiry	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	2G-num-sgw-reloc-due-to-intra-rau	INT32	Incremental	active	Total number of S-GW relocations during Intra RAU for 2G subscribers.	Whenever an S-GW relocation occurs during Intra-RAU.	per GPRS Service	Standard
sgsn	3G-num-sgw-reloc-due-to-intra-rau	INT32	Incremental	active	Total number of S-GW relocations during Intra RAU for 3G subscribers.	Whenever an S-GW relocation occurs during Intra-RAU.	per SGSN Service	Standard
sgsn	2G-num-sgw-reloc-due-to-s16-rau	INT32	Incremental	active	Total number of S-GW relocations during Inter SGSN RAU on S16 interface for 2G subscribers.	Whenever there is an S-GW relocation during a new SGSN RAU for a 2G subscriber.	per GPRS Service	Standard
sgsn	3G-num-sgw-reloc-due-to-s16-rau	INT32	Incremental	active	Total number of S-GW relocations during Inter SGSN RAU on S16 interface for 3G subscribers.	Whenever there is an S-GW relocation during a new SGSN RAU for a 3G subscriber.	per SGSN Service	Standard
sgsn	2G-num-sgw-reloc-due-to-s3-rau	INT32	Incremental	active	Total number of S-GW relocations during Inter SGSN RAU on S3 interface for 2G subscribers.	Whenever there is an S-GW relocation during a new SGSN RAU for a 2G subscriber.	per GPRS Service	Standard
sgsn	3G-num-sgw-reloc-due-to-s3-rau	INT32	Incremental	active	Total number of S-GW relocations during Inter SGSN RAU on S3 interface for 3G subscribers.	Whenever there is an S-GW relocation during a new SGSN RAU for a 3G subscriber.	per SGSN Service	Standard
sgsn	3G-total-sm-status-req-rx	INT32	Incremental	active	Total number of session management (SM) status request messages received for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-total-sm-status-req-rx	INT32	Incremental	active	Total number of session management (SM) status request messages received for 2G service.	Not Defined	Not Defined	Standard
sgsn	3G-total-sm-status-req-tx	INT32	Incremental	active	Total number of session management (SM) status request messages sent for 3G service.	Not Defined	Not Defined	Standard
sgsn	2G-total-sm-status-req-tx	INT32	Incremental	active	Total number of session management (SM) status request messages sent for 2G service.	Not Defined	Not Defined	Standard
sgsn	RNC-rab-modify-req	INT32	Incremental	active	Total number of Radio Network Controller (RNC) initiated radio access bearer (RAB) modify requests received at the SGSN.	Not Defined	Not Defined	Standard
sgsn	RNC-rab-rel-req	INT32	Incremental	active	Total number of RNC initiated RAB release requests received at the SGSN.	Not Defined	Not Defined	Standard
sgsn	RNC-rab-modify-num	INT32	Incremental	active	Total number of RNC initiated RAB modified messages received.	Not Defined	Not Defined	Standard
sgsn	RNC-rab-rel-num	INT32	Incremental	active	Total number of RNC initiated RAB release requests handled at SGSN.	Not Defined	Not Defined	Standard
sgsn	rab-assign-req	INT32	Incremental	active	Total number of SGSN-initiated RAB assignment requests sent to all RNCs.	Increments when SGSN sends a RAB assignment Request due to: primary activation. secondary activation. RAB release. PDP modification initiated by MS. PDP modification initiated by SGSN. PDP modificationinitiated by GGSN/P-GW. PDP modification initiated by HSS/HLR. SRNS. RAU if RABs are established in old RA.	per SGSN service, per RNC, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-assign-rsp	INT32	Incremental	active	Total number of SGSN-initiated RAB assignment responses received from all RNCs.	Increments when SGSN initiates a response to a RAB assignment Request due to: primary activation. secondary activation. RAB release. PDP modification by MS. PDP modification by SGSN. PDP modification by GGSN/P-GW. PDP modification by HSS/HLR. during SRNS. during RAU if RABs are established in old RA.	per SGSN service, per RNC, per RA	Standard
sgsn	rab-assign-rej	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgsn	rab-setup-reattempt	INT32	Incremental	active	Total number of radio access bearer (RAB) setup reattempted.	Not Defined	Not Defined	Standard
sgsn	rab-set-mod-req	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup or Modify Request messages initiated by the SGSN.	Increments whenever a RAB Setup or Modify Request is initiated by the SGSN.	per SGSN service, per RA	Standard
sgsn	rab-set-req	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup Request messages initiated by the SGSN.	Increments whenever a RAB Setup Request is initiated by the SGSN.	per SGSN service, per RA	Standard
sgsn	rab-mod-req	INT32	Incremental	active	This proprietary counter tracks the number of RAB Modify Request messages initiated by the SGSN.	Increments whenever a RAB Modify Request is initiated by the SGSN.	per SGSN service, per RA	Standard
sgsn	rab-set-mod-acc	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Setup or Modify Request messages. The SGSN initiates RAB Setup or Modify Request towards the RNC to either setup or modify a RAB.	Increments whenever a RAB Setup or Modify Request is successful.	per SGSN service, per RA	Standard
sgsn	rab-set-acc	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Setup Request messages. The SGSN initiates RAB Setup Request towards the RNC to setup a RAB.	Increments whenever a RAB Setup Request is successful.	per SGSN service, per RA	Standard
sgsn	rab-mod-acc	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Modify Request messages. The SGSN initiates RAB Modify Request towards the RNC to modify a RAB.	Increments whenever a RAB Modify Request is successful.	per SGSN service, per RA	Standard
sgsn	rab-set-mod-tmr-expired	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup or Modify Request messages that timeout. The SGSN initiates RAB Setup or Modify Request towards the RNC and starts a timer. When no response is received within a certain time, the SGSN performs an action appropriate to the procedure: During activation, the SGSN sends Activation Reject. For other procedures, the PDP context is preserved.	Increments whenever a RAB Setup or Modify Request expires.	per SGSN service, per RA	Standard
sgsn	rab-set-tmr-expired	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup Request messages that timeout. The SGSN initiates RAB Setup Request towards the RNC and starts a timer. When no response is received within a certain time, the SGSN performs an action appropriate to the procedure: During activation, the SGSN sends Activation Reject. For other procedures, the PDP context is preserved.	Increments whenever a RAB Setup Request expires.	per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-mod-tmr-expired	INT32	Incremental	active	This proprietary counter tracks the number of RAB Modify Request messages that timeout. The SGSN initiates RAB Modify Request towards the RNC and starts a timer. When no response is received within a certain time, the SGSN performs an action appropriate to the procedure: During activation, the SGSN sends Activation Reject. For other procedures, the PDP context is preserved.	Increments whenever a RAB Modify Request expires.	per SGSN service, per RA	Standard
sgsn	rab-set-mod-fail	INT32	Incremental	active	This proprietary counter tracks the number of unsuccessful RAB Setup or Modify Request messages. The SGSN initiates RAB Setup or Modify Request towards the RNC to either setup or modify a RAB..	Increments whenever a RAB Setup or Modify Request fails.	per SGSN service, per RA	Standard
sgsn	rab-set-fail	INT32	Incremental	active	This proprietary counter tracks the number of unsuccessful RAB Setup Request messages. The SGSN initiates RAB Setup Request towards the RNC to setup a RAB..	Increments whenever a RAB Setup Request fails.	per SGSN service, per RA	Standard
sgsn	rab-mod-fail	INT32	Incremental	active	This proprietary counter tracks the number of unsuccessful RAB Modify Request messages. The SGSN initiates RAB Modify Request towards the RNC to modify a RAB..	Increments whenever a RAB Modify Request fails.	per SGSN service, per RA	Standard
sgsn	rab-rel-req	INT32	Incremental	active	Total number of SGSN initiated RAB release request messages sent to all RNCs.	Not Defined	Not Defined	Standard
sgsn	rab-rel-accept	INT32	Incremental	active	Total number of SGSN initiated RAB release accept messages received from all RNCs.	Not Defined	Not Defined	Standard
sgsn	rab-rel-tmr-expired	INT32	Incremental	active	Total events when RAB release timer expired.	Not Defined	Not Defined	Standard
sgsn	rab-rel-fail	INT32	Incremental	active	Total radio access bearer release requests failed	Not Defined	Not Defined	Standard
sgsn	rab-queued	INT32	Incremental	active	Total radio access bearer requests queued for transmission.	Not Defined	Not Defined	Standard
sgsn	rab-rel-pre-empt	INT32	Incremental	active	Total number of RAB released due to pre-empted event.	Not Defined	Not Defined	Standard
sgsn	rab-rel-utran	INT32	Incremental	active	Total number of RAB released due to initiation from UTRAN.	Not Defined	Not Defined	Standard
sgsn	rab-rel-ue-radio-lost	INT32	Incremental	active	Total number of RAB released due to UE radio connection lost.	Not Defined	Not Defined	Standard
sgsn	total-rab-rej	INT32	Incremental	active	Total RAB setup/modify/release requests rejected.	Not Defined	Not Defined	Standard
sgsn	rab-rej-rab-preempt	INT32	Incremental	active	Total number of RAB requests rejected due to pre-empted event.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-overall-tmr-exp	INT32	Incremental	active	Total number of RAB requests for relocation rejected due to expiry of timer TRELOCoverall. This specifies the maximum time for the protection of overall Relocation procedure in the source RNC.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value TRELOCoverall	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-prep-tmr-exp	INT32	Incremental	active	Total number of RAB requests for relocation rejected due to expiry of timer TRELOCprep. This specifies the maximum time for expiry of Relocation Preparation procedure in the source RNC.	When the source RNC cancels the Relocation Preparation procedure by initiating the Relocation Cancel procedure with a cause value TRELOCprep expiry.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-complete-tmr-exp	INT32	Incremental	active	Indicates the maximum time for waiting the relocation completion in the CN.	When the SGSN initiate release of Iu connections towards the source and the target RNC initiates the Iu Release procedure with a cause value TRELOCcomplete expiry.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-queuing-tmr-exp	INT32	Incremental	active	Indicates the maximum time in the RNC for queuing the request of RAB establishment or modification.	When the RNC sends the RAB assignment response to report unsuccessful establishment/modification of RAB with the failed RAB ID list with the cause Tqueuing Expiry.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-triggered	INT32	Incremental	active	Total number of RAB requests for relocation triggered. The action fails due to relocation of MS to another RNC.	When the Relocation required message is sent with the cause Relocation Triggered to the SGSN. If the relocation becomes necessary during the RAB Assignment procedure, the RNC may interrupt the ongoing RAB Assignment procedure and initiate the Relocation Preparation procedure and send the RAB assignment response as failure cause relocation required.	per SGSN service, per RAI	Standard
sgsn	rab-rej-unable-to-est-reloc	INT32	Incremental	active	Total number of RAB requests rejected because RAB failed to establish during relocation as it cannot be supported in the target RNC or the RAB did not exist in the source RNC.	When the target RNC sends the RELOCATION REQUEST ACKNOWLEDGE message with a value in Cause IE Unable to Establish During Relocation, for the RABs rejected and received in RELOCATION REQUEST from SGSN, only if the Relocation Type IE is set to UE involved in relocation of SRNS in the request.	per SGSN service, per RAI	Standard
sgsn	rab-rej-unknown-target-rnc	INT32	Incremental	active	Total number of RAB requests rejected due to unknown target RNC in request.	When the SGSN rejects the relocation of SRNS by sending a RELOCATION PREPARATION FAILURE message to the source RNC with Cause IE set to Unknown target RNC, if the target RNC is unknown to SGSN.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-cancel	INT32	Incremental	active	Total number of RAB requests rejected as relocation was cancelled due to interaction with other procedures.	When SGSN issues the IU release command to RNC with the cause Relocation Cancelled, if the Relocation Preparation procedure is unsuccessfully terminated.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-reloc-success	INT32	Incremental	active	Total number of RAB requests rejected due to completion of successful relocation.	When SGSN issues the IU release command to RNC with the cause Successful Relocation, if completion of successful relocation of SRNS happened.	per SGSN service, per RAI	Standard
sgsn	rab-rej-cypher-algo-no-support	INT32	Incremental	active	Total number of RAB requests rejected as the UTRAN or the UE is unable to support the requested ciphering and/or integrity protection algorithms.	If the target RNC cannot support any of the integrity protection (ciphering respectively) alternatives provided in the Integrity Protection Information IE or Encryption Information IE, in RELOCATION REQUEST from SGSN, it returns a RELOCATION FAILURE message with the cause Requested Ciphering and/or Integrity Protection algorithms not supported. RNC also sends the SECURITY MODE REJECT with the same cause for the same reason when receiving the SECURITY MODE COMMAND from SGSN.	per SGSN service, per RAI	Standard
sgsn	rab-rej-conflict-cypher-info	INT32	Incremental	active	Total number of RAB requests rejected due to conflict with the requested security mode configuration and the already existing security mode configuration.	If the target RNC receives a source RNC to target RNC Transparent Container IE containing Chosen Integrity Protection (Encryption respectively) Algorithm IE without Integrity Protection (Ciphering respectively) Key IE, it returns a RELOCATION FAILURE message with the cause Conflict with already existing Integrity protection and/or Ciphering information. RNC also sends the SECURITY MODE REJECT with the same cause for the same reason when receiving the SECURITY MODE COMMAND from SGSN.	per SGSN service, per RAI	Standard
sgsn	rab-rej-failure-radio-if-proc	INT32	Incremental	active	Total number of RAB requests rejected due to failure in radio interface procedure.	If the radio interface Security Mode Control procedure fails, a SECURITY MODE REJECT message will be sent to the SGSN with cause value Failure in the Radio Interface Procedure from RNC.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-rel-utran-reason	INT32	Incremental	active	Total number of RAB requests rejected as RAB release is initiated due to UTRAN generated reason.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service, per RAI	Standard
sgsn	rab-rej-utran-inactivity	INT32	Incremental	active	Total number of RAB requests rejected as RAB released due to user inactivity at UTRAN on one or more non real time RABs in order to optimize radio resource.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value User Inactivity for a particular MS.	per SGSN service, per RAI	Standard
sgsn	rab-rej-time-crit-relocation	INT32	Incremental	active	Total number of RAB requests rejected as relocation is requested for time critical reason. This cause value is reserved to represent all critical cases where the connection is likely to be dropped if relocation is not performed.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Time Critical Relocation.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-traffic-class-unavail	INT32	Incremental	active	Total number of RAB request rejected as requested traffic class unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Traffic Class not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-invalid-rab-param-val	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB parameter value.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Invalid RAB Parameters Value.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-max-bit-rate-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-max-bit-rate-dl-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate for downlink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate for DL not Available.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-req-max-bit-rate-ul-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate for uplink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate for DL not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-gbr-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID with the cause Requested Guaranteed Bit Rate not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-gbr-dl-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate for downlink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Guaranteed Bit Rate for DL not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-gbr-ul-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate for uplink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Guaranteed Bit Rate for UL not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-trans-delay-not-achievable	INT32	Incremental	active	Total number of RAB requests rejected as requested transfer delay is not achievable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Transfer Delay not Achievable.	per SGSN service, per RAI	Standard
sgsn	rab-rej-inval-rab-param-combo	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB parameter combination.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Invalid RAB Parameters Combination.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-violation-for-sdu-param	INT32	Incremental	active	Total number of RAB requests rejected due to occurrence of condition violation for Service Data Unit (SDU) parameters.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for SDU Parameters.	per SGSN service, per RAI	Standard
sgsn	rab-rej-violation-traffic-hanlde-prio	INT32	Incremental	active	Total number of RAB requests rejected due to occurrence of condition violation for traffic handling priority.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for Traffic Handling Priority.	per SGSN service, per RAI	Standard
sgsn	rab-rej-violation-for-gbr	INT32	Incremental	active	Total number of RAB request rejected due to occurrence of condition violation for guaranteed bit rate.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for Guaranteed Bit Rate.	per SGSN service, per RAI	Standard
sgsn	rab-rej-usr-plane-ver-unsupported	INT32	Incremental	active	Total number of RAB requests rejected as requested user plane version is not supported.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause User Plane Versions not Supported.	per SGSN service, per RAI	Standard
sgsn	rab-rej-iu-up-failure	INT32	Incremental	active	Total number of RAB requests rejected due to Iu UP activation failure.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Iu UP Failure.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-alloc-expiry	INT32	Incremental	active	Total number of RAB requests rejected as Relocation Resource Allocation procedure failed due to expiry of the TRELOCalloc timer.	When SGSN is unable to complete the relocation of SRNS before the TRELOCalloc expiry. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause TRELOCalloc expiry.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-reloc-failure-target-system	INT32	Incremental	active	Total number of RAB request rejected due to relocation failure in target CN/RNC or target system.	When SGSN cannot complete the relocation of SRNS due to failure in the Target CN/RNC or Target System. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation Failure in Target CN/RNC or Target System.	per SGSN service, per RAI	Standard
sgsn	rab-rej-invalid-rdb-id	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB ID in the RNC.	If the RAB ID of a RAB requested to be released is unknown in the RNC, RNC will report as a RAB failed to release with the cause value Invalid RAB ID in RAB Assignment Response to SGSN. If RAB ID of RAB requested to be transferred is unknown in RNC, the SRNS CONTEXT RESPONSE message will contain the cause with the RAB ID. The RAB ID IE for each RAB for which UTRAN is not able to transfer a data volume report due to unknown RAB ID is included in the DATA VOLUME REPORT message together with a Cause IE Invalid RAB ID.	per SGSN service, per RAI	Standard
sgsn	rab-rej-no-remaining-rab	INT32	Incremental	active	Total number of RAB requests rejected as no RAB is available.	When SGSN issues the IU release command to RNC with the cause No remaining RAB, if there is no RAB associated with the IU.	per SGSN service, per RAI	Standard
sgsn	rab-rej-interaction-with-other-proc	INT32	Incremental	active	Total number of RAB requests rejected as relocation was cancelled due to interaction with other procedure.	If source RNC triggers the RELOCATION CANCEL to SGSN with cause Interaction with other procedure when relocation preparation is triggered and it receives another message via the same signalling IU.	per SGSN service, per RAI	Standard
sgsn	rab-rej-integrity-check-fail	INT32	Incremental	active	Total number of RAB requests rejected due to repeated failure in integrity checking.	When RNC issues the IU release request to SGSN with the cause Repeated Integrity Checking Failure.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-req-type-not-supported	INT32	Incremental	active	Total number of RAB requests rejected as the RNC is not supporting the requested location request type either because it does not support the requested event or it does not support the requested report area.	If the RNC cannot deliver the location information as requested by the SGSN, due to non-support of the requested event, then it will send location report message indicating the UE location to be Undetermined with cause Requested Request Type not supported.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-superseeded	INT32	Incremental	active	Total number of RAB requests rejected due to a second request on the same RAB.	In case of a request to modify or release a RAB that contains the RAB ID of a RAB being queued, the RAB will be taken out of the queue and treated according to the second request. The first request will be responded to as RAB failed to setup or modify the cause value Request superseded by RNC to SGSN in RAB Assignment Response.	per SGSN service, per RAI	Standard
sgsn	rab-rej-rel-due-to-ue-sig-con-rel	INT32	Incremental	active	Total number of RAB requests rejected as RAB released due to UE generated signaling connection release.	When RNC issues the IU release request to SGSN with the cause Release due to UE generated signalling connection release.	per SGSN service, per RAI	Standard
sgsn	rab-rej-res-optimization-reloc	INT32	Incremental	active	Total number of RAB requests rejected as resource optimization for relocation occurred.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Resource Optimization Relocation.	per SGSN service, per RAI	Standard
sgsn	rab-rej-req-info-unavail	INT32	Incremental	active	Total number of RAB requests rejected as requested information is unavailable.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Resource Optimization Relocation.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-due-to-radio-reason	INT32	Incremental	active	Total number of RAB requests rejected due to radio related errors/causes.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Relocation desirable for radio reasons.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-reloc-unsupported-target-system	INT32	Incremental	active	Total number of RAB requests rejected as relocation is not supported in target system.	When SGSN is unable to complete the relocation of SRNS due to failure in the Target CN/RNC or Target System. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation not supported in Target RNC or Target system.	per SGSN service, per RAI	Standard
sgsn	rab-rej-directed-retry	INT32	Incremental	active	Total number of RAB requests rejected as retries directed by system.	Directed retry is the process of assigning a User Equipment to a radio resource that does not belong to the serving RNC, for example, in situations of congestion. It is triggered by the RAB Assignment procedure and employs relocation procedures. The RNC may indicate an impending directed retry attempt to GSM by sending a RAB ASSIGNMENT RESPONSE message with a RAB ID included in the list of RABs failed to setup and a cause value of Directed Retry. The RNC invokes relocation by sending a RELOCATION REQUIRED message to the active SGSN node with the cause Directed Retry. The source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Time Critical Relocation.	per SGSN service, per RAI	Standard
sgsn	rab-rej-radio-con-with-ue-lost	INT32	Incremental	active	Total number of RAB requests rejected as radio connection with UE is lost.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-rnc-unable-to-estab-all-rfcs	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to establish all RAB subflow combinations indicated within the RAB Parameters IE.	When the RNC cannot initialise the requested user plane mode for any of the user plane mode versions in the UP Mode Versions IE according to the rules for initialization of the respective user plane mode versions. The RAB Assignment Response (failure) with the cause value RNC unable to establish all RFCs will be received from RNC. It will be received for the same reason in RELOCATION REQUEST ACKNOWLEDGE message from RNC.	per SGSN service, per RAI	Standard
sgsn	rab-rej-deciphering-keys-unavail	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to provide the requested deciphering keys.	When the RNC is unable to provide the requested deciphering keys. The RNC will then send a LOCATION RELATED DATA FAILURE message including the Cause IE to the SGSN with the cause Deciphering Keys Not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-dedicated-assistance-data-unavail	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to successfully deliver the requested dedicated assistance data to the UE.	When the RNC is unable to successfully deliver the requested dedicated assistance data to the UE. The RNC will then send a LOCATION RELATED DATA FAILURE message including the Cause IE to the SGSN with the cause Dedicated Assistance data Not Available.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reloc-target-not-allowed	INT32	Incremental	active	Total number of RAB requests rejected as relocation to the indicated target cell is not allowed for the UE.	When SGSN is unable to complete the relocation of SRNS if the Relocation is not allowed in Target Cell. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation Target not allowed.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-location-reporting-congestion	INT32	Incremental	active	Total number of RAB requests rejected due to an inability to support location reporting caused by overload.	When the RNC cannot deliver the location information as requested by the SGSN due to non-availability of requested information. It will then send location report message indicating the UE location to be Undetermined with cause Location Reporting Congestion.	per SGSN service, per RAI	Standard
sgsn	rab-rej-reduce-load-in-serving-cell	INT32	Incremental	active	Total number of RAB requests rejected as the load reduction on serving cell needs to be reduced.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Reduce Load in Serving Cell.	per SGSN service, per RAI	Standard
sgsn	rab-rej-no-radio-res-avail-in-target-cell	INT32	Incremental	active	Total number of RAB requests rejected as radio resource is unavailable in target cell.	When SGSN is unable to complete the relocation of SRNS if the Resource is not available in Target Cell. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause No Radio Resources Available in Target Cell. Target RNC will send RELOCATION FAILURE message to SGSN with the cause Radio Resources Available in Target Cell.	per SGSN service, per RAI	Standard
sgsn	rab-rej-geran-iu-mode-failure	INT32	Incremental	active	Total number of RAB requests rejected due to failure in Iu mode in GERAN. The RAB establishment/modification/relocation failed because the GERAN BSC cannot provide an appropriate RAB due to limited capabilities within GERAN.	When the RAB establishment/modification/relocation fails because the GERAN BSC cannot provide an appropriate RAB due to limited capabilities within GERAN. The RNC will then send RAB assignment response with the cause GERAN Iu-mode failure.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-access-restrict-shared-nwtk	INT32	Incremental	active	Total number of RAB requests rejected as access is restricted in the cell due to shared network.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value Access Restricted Due to Shared Networks. The source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Access Restricted Due to Shared Networks.	per SGSN service, per RAI	Standard
sgsn	rab-rej-incoming-reloc-nwt-support-puesbine	INT32	Incremental	active	Total number of RAB requests rejected as the incoming relocation request is not accepted by the target RNC because of the Provision of UE Specific Behavior Information to Network Entities (PUESBINE) feature.	When the target RNC cannot support the relocation due to PUESBINE feature. It sends a RELOCATION FAILURE message with the cause Incoming Relocation Not Supported Due To PUESBINE Feature To SGSN.	per SGSN service, per RAI	Standard
sgsn	rab-rej-traffic-target-more-source-cell	INT32	Incremental	active	Total number of RAB requests rejected as the traffic load in the target cell is higher than that in the source cell.	When SGSN is unable to complete the relocation of SRNS if the Resource is not available in Target Cell. The SGSN will then issue a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Traffic Load In The Target Cell Higher Than In The Source Cell. Target RNC sends RELOCATION FAILURE message to SGSN with the cause Traffic Load In The Target Cell Higher Than In The Source Cell to SGSN when load at the target cell is higher than that in the source cell.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-mbms-no-multicat-svc-for-ue	INT32	Incremental	active	Total number of RAB requests rejected for Multimedia Broadcast/Multicast Service (MBMS) feature as multicast service is not supported by user equipment.	When SGSN is unable to process the UPLINK INFORMATION EXCHANGE REQUEST for reason that MS does not have the multicat service. The SGSN then sends the UPLINK INFORMATION EXCHANGE FAILURE message to the RNC about the reason for unsuccessful operation with a cause value MBMS - No Multicast Service For This UE.	per SGSN service, per RAI	Standard
sgsn	rab-rej-mbms-unknown-ue-id	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature because the user equipment identification is unknown to the CN.	When SGSN is unable to process the UPLINK INFORMATION EXCHANGE REQUEST for reason that UE is unknown to SGSN. The SGSN then sends the UPLINK INFORMATION EXCHANGE FAILURE message to the RNC about the reason for unsuccessful operation with a cause value MBMS - Unknown UE ID.	per SGSN service, per RAI	Standard
sgsn	rab-rej-mbms-sess-start-no-data-bearer	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as the session starts without any necessary data bearer.	When the RNC decides to wait to establish the MBMS RAB. It then sends the MBMS SESSION START RESPONSE message with the cause value Successful MBMS Session Start - No Data Bearer Necessary to SGSN for MBMS SESSION START REQUEST.	per SGSN service, per RAI	Standard
sgsn	rab-rej-mbms-superseed-nnsf	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as request superseded due to NAS Node Selection Function (NNSF).	When NNSF is active and the RNC is received from several CN nodes for a certain MBMS Bearer Service. The MBMS SESSION START message is also sent by the SGSN, and the RNC informs the SGSN with MBMS SESSION START FAILURE message and cause value MBMS - Superseded Due To NNSF.	per SGSN service, per RAI	Standard
sgsn	rab-rej-mbms-ue-linking-already-done	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as user equipment is already linked to the given Multicast service.	When the RNC sends the MBMS UE LINKING RESPONSE message for unsuccessful linking(s) with cause value MBMS - UE Linking Already Done.	per SGSN service, per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	rab-rej-mbms-ue-delinking-failure	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as user equipment delinking failed because the UE had not been linked to the given Multicast service.	When the RNC sends the MBMS UE LINKING RESPONSE message for unsuccessful de-linking(s) with cause value MBMS - UE De-Linking Failure - No Existing UE Linking.	per SGSN service, per RAI	Standard
sgsn	rab-rej-tmgi-unknown	INT32	Incremental	active	Total number of RAB requests rejected as the indicated Temporary Mobile Group Identifier (TMGI) is unknown.	When the MBMS REGISTRATION FAILURE message sent from SGSN informs the RNC about the reason for unsuccessful MBMS registration operation with cause value TMGI Unknown.	per SGSN service, per RAI	Standard
sgsn	rab-rej-ms-unspecified-failure	INT32	Incremental	active	Total number of RAB requests rejected due to unspecified failure at MS.	Not Defined	per SGSN service, per RAI	Standard
sgsn	SRNS-ctxt-req-sent	INT32	Incremental	active	Total number of Serving Radio Network Subsystem (SRNS) context request sent.	Not Defined	Not Defined	Standard
sgsn	SRNS-ctxt-rsp-rcvd	INT32	Incremental	active	Total number of SRNS context request received.	Not Defined	Not Defined	Standard
sgsn	SRNS-ctxt-req-tmr-expired	INT32	Incremental	active	Total number of events when SRNS context request timer expired.	Not Defined	Not Defined	Standard
sgsn	SRNS-ctxt-total-pdp-acc	INT32	Incremental	active	Total number of PDP context request by SRNS accepted.	Not Defined	Not Defined	Standard
sgsn	SRNS-ctxt-total-pdp-rej	INT32	Incremental	active	Total number of PDP context request by SRNS rejected.	Not Defined	Not Defined	Standard
sgsn	SRNS-data-fwd-cmd-sent	INT32	Incremental	active	Total number of data forward command sent by SRNS.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-rab-preempt	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to RAB preempted procedure.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-overall-tmr-exp	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to overall timer expired for relocation.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-prep-tmr-exp	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation preparation timer expired.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-complete-tmr-exp	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation complete timer expired.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-queuing-tmr-exp	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation queuing timer expired.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-triggered	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation triggered.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-unable-to-est-reloc	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to unable to establish relocation.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-unknown-target-rnc	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to unknown target RNC.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-cancel	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation cancelled.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-success	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to successful relocation.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-cypher-algo-no-support	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested ciphering algorithm not supported.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-conflict-cypher-info	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to conflict with existing ciphering information.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-failure-radio-if-proc	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to failure in radio interface procedure.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-rel-utran-reason	INT32	Incremental	active	Total number of PDP context request by SRNS denied as release occurred due to UTRAN generated reason.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-utran-inactivity	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to inactivity at UTRAN.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	srns-ctx-deny-time-crit-relocation	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to time critical relocation.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-traffic-class-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested traffic class unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-invalid-rab-param-val	INT32	Incremental	active	Total number of PDP context request by SRNS denied due invalid RAB parameter value.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-max-bit-rate-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested maximum bit rate unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-max-bit-rate-dl-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested maximum bit rate for downlink unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-max-bit-rate-ul-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested maximum bit rate for uplink unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-gbr-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested guaranteed bit rate unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-gbr-dl-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested guaranteed bit rate for downlink unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-gbr-ul-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested guaranteed bit rate for uplink unavailable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-trans-delay-not-achieve	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested transfer delay is not achievable.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-inval-rab-param-combo	INT32	Incremental	active	Total number of PDP context request by SRNS denied as invalid RAB parameter combination.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-violation-for-sdu-combo	INT32	Incremental	active	Total number of PDP context request by SRNS denied as invalid RAB parameter combination.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-violation-for-sdu-param	INT32	Incremental	active	Total number of PDP context request by SRNS denied as violation for service data unit (SDU) parameters occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-violation-traffic-hanlde-prio	INT32	Incremental	active	Total number of PDP context request by SRNS denied as violation for traffic handling priority occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-violation-for-gbr	INT32	Incremental	active	Total number of PDP context request by SRNS denied as violation for guaranteed bit rate occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-usr-plane-ver-unsupported	INT32	Incremental	active	Total number of PDP context request by SRNS denied as user plane version not supported.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-ip-up-failure	INT32	Incremental	active	Total number of PDP context request by SRNS denied as Iu activation failure occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-alloc-expiry	INT32	Incremental	active	Total number of PDP context request by SRNS denied as allocation timer expired for RAB relocation.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-failure-target-system	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to relocation failure in target system.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-invalid-rdb-id	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to invalid RAB id in message.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-no-remaining-rab	INT32	Incremental	active	Total number of PDP context request by SRNS denied as no RAB available.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-interaction-with-other-proc	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to interaction with other procedure occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-integrity-check-fail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as repeated integrity check failed.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-type-not-supported	INT32	Incremental	active	Total number of PDP context request by SRNS denied as request type not supported.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-superseeded	INT32	Incremental	active	Total number of PDP context request by SRNS denied as request superseded by new request.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-rel-due-to-ue-sig-con-rel	INT32	Incremental	active	Total number of PDP context request by SRNS denied as RAB released due to UE generated signaling connection release.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-res-optimization-reloc	INT32	Incremental	active	Total number of PDP context request by SRNS denied as resource optimization for relocation occurred.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-req-info-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as requested information unavailable.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	srns-ctx-deny-reloc-due-to-radio-reason	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to radio related errors/causes.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-unsupport-target-sys	INT32	Incremental	active	Total number of PDP context request by SRNS denied as relocation not supported in target system.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-directed-retry	INT32	Incremental	active	Total number of PDP context request by SRNS denied as retries directed by system.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-radio-con-with-ue-lost	INT32	Incremental	active	Total number of PDP context request by SRNS denied as radio connection with UE lost.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-rnc-unable-to-estab-all-rfcs	INT32	Incremental	active	Total number of PDP context request by SRNS denied as RNCs unable to establish all radio frequency communications.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-deciphering-keys-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as deciphering keys not available for procedure.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-dedicated-assist-data-unavail	INT32	Incremental	active	Total number of PDP context request by SRNS denied as dedicated assistance data not available for procedure.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reloc-target-not-allowed	INT32	Incremental	active	Total number of PDP context request by SRNS denied as relocation is not allowed on target system.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-location-reporting-congestion	INT32	Incremental	active	Total number of PDP context request by SRNS denied as congestion reported in specific location.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-reduce-load-in-serving-cell	INT32	Incremental	active	Total number of PDP context request by SRNS denied as load reduction occurred in serving cell.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-no-radio-res-avail-target-cell	INT32	Incremental	active	Total number of PDP context request by SRNS denied as no radio resource available in target cell.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-geran-iu-mode-failure	INT32	Incremental	active	Total number of PDP context request by SRNS denied due to failure in Iu mode in GERAN.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-access-restrict-shared-nwtk	INT32	Incremental	active	Total number of PDP context request by SRNS denied as access restricted in shared network.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-in-reloc-nwt-support-puesbine	INT32	Incremental	active	Total number of PDP context request by SRNS denied as incoming relocation request is not supported in network due to Provision of UE Specific Behavior Information to Network Entities (PUESBINE) feature.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-traffic-target-more-src-cell	INT32	Incremental	active	Total number of PDP context request by SRNS denied as traffic in target cell is higher than the source cell.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-no-multicat-svc-for-ue	INT32	Incremental	active	Total number of SRNS context request for Multimedia Broadcast/Multicast Service (MBMS) feature denied as multicast service is not supported by user equipment.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-unknown-ue-id	INT32	Incremental	active	Total number of SRNS context request for MBMS feature denied due to user equipment identification is unknown.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-sess-start-no-data-bearer	INT32	Incremental	active	Total number of SRNS context request for MBMS feature denied as session start without any necessary data bearer.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-superseed-nnsf	INT32	Incremental	active	Total number of SRNS context request for MBMS feature denied as request superseded due to NAS node selection function (NNSF).	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-ue-linking-already-done	INT32	Incremental	active	Total number of SRNS context request for MBMS feature denied as user equipment is already linked.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-mbms-ue-delinking-failure	INT32	Incremental	active	Total number of SRNS context request for MBMS feature denied as user equipment delinking failed due to any reason.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-tmgi-unknown	INT32	Incremental	active	Total number of SRNS context request denied as temporary mobile group identifier is unknown.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-ms-unspecified-failure	INT32	Incremental	active	Total number of SRNS context request denied due to unspecified failure at MS.	Not Defined	Not Defined	Standard
sgsn	srns-ctx-deny-no-response-from-rnc	INT32	Incremental	active	Total number of SRNS context request denied due to no response from RNC.	Not Defined	Not Defined	Standard
sgsn	map-open-req-tx	INT32	Incremental	active	Total number of mobile application part (MAP) open requests sent.	Not Defined	per MAP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	map-open-req-rx	INT32	Incremental	active	Total number of mobile application part (MAP) open requests received.	Not Defined	per MAP service	Standard
sgsn	map-open-rsp-tx	INT32	Incremental	active	Total number of MAP open response sent.	Not Defined	per MAP service	Standard
sgsn	map-open-rsp-rx	INT32	Incremental	active	Total number of MAP open response received.	Not Defined	per MAP service	Standard
sgsn	map-close-tx	INT32	Incremental	active	Total number of MAP close response sent.	Not Defined	per MAP service	Standard
sgsn	map-close-rx	INT32	Incremental	active	Total number of MAP close response received.	Not Defined	per MAP service	Standard
sgsn	map-abort-tx	INT32	Incremental	active	Total number of MAP abort request sent.	Not Defined	per MAP service	Standard
sgsn	map-abort-rx	INT32	Incremental	active	Total number of MAP abort request received.	Not Defined	per MAP service	Standard
sgsn	map-auth-req-tx	INT32	Incremental	active	Total number of Send Authentication Request messages transmitted to HLR.	Counter When a MAP Send Authentication Request is initiated from SGSN.	per MAP service	Standard
sgsn	map-auth-succes	INT32	Incremental	active	Total number of successful MAP Authentication Information Requests initiated by the SGSN and sent to the HLR.	Increments when SGSN receives a valid response to a MAP Authentication Information Request from the HLR and a SAI (service area identity) procedure is successful.	per MAP service	Standard
sgsn	map-auth-fail	INT32	Incremental	active	Total number of User Error / Provider Error received in response to SAI request.	Counter When User Error / Provider Error is received from HLR.	per MAP service	Standard
sgsn	map-auth-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from the HLR for map-auth-fail-rep-req-tx message initiated from SGSN.	per MAP service	Standard
sgsn	map-imei-req-tx	INT32	Incremental	active	Total number of MAP Check IMEI requests initiated towards EIR.	Counter When MAP CHECK IMEI Request is sent.	per MAP service	Standard
sgsn	map-imei-succes	INT32	Incremental	active	Total number of successful responses for MAP Check IMEI requests.	Counter When MAP CHECK IMEI Request is sent.	per MAP service	Standard
sgsn	map-imei-fail	INT32	Incremental	active	Total number of failure responses for MAP Check IMEI requests received from EIR.	Counter When MAP Return Error / Provider Error is received in response.	per MAP service	Standard
sgsn	map-imei-timeout	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	per MAP service	Standard
sgsn	map-gprs-update-loc-req-tx	INT32	Incremental	active	Total number of UGL (GPRS Update Location) request initiated towards HLR.	Counter When UGL request is sent to HLR.	per MAP service	Standard
sgsn	map-gprs-update-loc-rsp-tx	INT32	Incremental	active	Total number of successful response messages sent in response to UGL request.	Counter When successful response is received from the HLR.	per MAP service	Standard
sgsn	map-gprs-update-loc-err-tx	INT32	Incremental	active	Total number of Failure response (User Error/Provider Error) messages received in response to UGL request.	Counter When MAP Return Error / Provider Error is received to UGL request.	per MAP service	Standard
sgsn	map-gprs-update-loc-timeouts-rx	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter increments if there is no response from HLR.	per MAP service	Standard
sgsn	map-sub-loc-rpt-req-tx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT Requests transmitted.	MAP service increments this counter upon transmitting a MAP Subscriber Location Report Request to the GMLC.	per MAP service	Standard
sgsn	map-sub-loc-rpt-rsp-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT Responses received.	MAP service increments this counter upon receiving a MAP Subscriber Location Report Response from the GMLC.	per MAP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	map-sub-loc-rpt-err-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT errors received.	MAP service increments this counter upon receiving a MAP Subscriber Location Report Error Response from the GMLC.	per MAP service	Standard
sgsn	map-sub-loc-rpt-timeouts-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT timeouts received.	MAP service increments this counter upon timeout, while waiting for a MAP Subscriber Location Report Response from the GMLC.	per MAP service	Standard
sgsn	map-prov-sub-loc-req-rx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Requests received.	MAP service increments this counter upon receiving a MAP Provide Subscriber Request from the GMLC.	per MAP service	Standard
sgsn	map-prov-sub-loc-rsp-tx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Responses transmitted.	MAP service increments this counter upon transmitting a MAP Provide Subscriber Response to the GMLC.	per MAP service	Standard
sgsn	map-prov-sub-loc-err-tx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Errors transmitted.	MAP service increments this counter upon transmitting a MAP Provide Subscriber Error Response to the GMLC.	per MAP service	Standard
sgsn	map-cancel-loc-req-rx	INT32	Incremental	active	Total number of Cancel Location Request received from HLR.	Counter When MAP Cancel Location Request is received.	per MAP service	Standard
sgsn	map-cancel-loc-rsp-tx	INT32	Incremental	active	Total number of successful Cancel Location Response messages sent to HLR.	Counter When successful response is sent to HLR.	per MAP service	Standard
sgsn	map-cancel-loc-err-tx	INT32	Incremental	active	Total number of Error response messages sent to HLR.	Counter When MAP Return Error is sent to HLR.	per MAP service	Standard
sgsn	map-del-subs-req-rx	INT32	Incremental	active	Total number of Delete Subscription Data Request received from HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	per MAP service	Standard
sgsn	map-del-subs-rsp-tx	INT32	Incremental	active	Total number of successful responses for Delete Subscription Data request sent to HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	per MAP service	Standard
sgsn	map-del-subs-ret-tx	INT32	Incremental	active	Total number of Error responses sent for Delete Subscription Data (DSD) request received.	Counter When failure response is sent to HLR.	per MAP service	Standard
sgsn	map-insert-subs-rcvd	INT32	Incremental	active	Total number of insert subscriber data requests received by MAP.	Not Defined	per MAP service	Standard
sgsn	map-standalone-isd-rcvd	INT32	Incremental	active	Total number of standalone insert subscriber data requests received by MAP.	Not Defined	per MAP service	Standard
sgsn	map-isd-rsp-tx	INT32	Incremental	active	Total number of insert subscriber data requests sent by MAP.	Not Defined	per MAP service	Standard
sgsn	map-isd-err-tx	INT32	Incremental	active	Total number of insert subscriber data failure response sent by MAP.	Not Defined	per MAP service	Standard
sgsn	map-auth-fail-rept-req-tx	INT32	Incremental	active	Total number of Authentication Failure Report Request messages transmitted by MAP.	Counter When a message is initiated to inform HLR that certain vectors had problem in authenticating with the MS.	per MAP service	Standard
sgsn	map-auth-fail-rept-rsp-rx	INT32	Incremental	active	Total number of Authentication Failure Report Request messages received by MAP.	Counter When successful response is received in response to map-auth-fail-rep-req-tx.	per MAP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	map-auth-fail-rept-err-rx	INT32	Incremental	active	Total number of User Error and Provider Error received for the Authentication Failure Report Request sent to HLR.	Counter When MAP Return Error/Provider Error is received in response to map-auth-fail-rep-req-tx message. There will be no effect on the call due to this.	per MAP service	Standard
sgsn	map-auth-fail-rept-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When MAP Return Error / Provider Error is received in response to map-auth-fail-rep-req-tx. There will be no effect on the call due to this.	per MAP service	Standard
sgsn	map-purge-req-tx	INT32	Incremental	active	Total number of MAP Purge Request messages initiated towards HLR.	Counter When MAP Purge Request is transmitted.	per MAP service	Standard
sgsn	map-purge-success	INT32	Incremental	active	Total number of successful MAP Purge Request messages sent to HLR.	Counter When successful response is received from HLR.	per MAP service	Standard
sgsn	map-purge-fail	INT32	Incremental	active	Total number of Failure response received from HLR.	Counter When MAP Return Error / Provider Error is received in response.	per MAP service	Standard
sgsn	map-purge-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	per MAP service	Standard
sgsn	map-hlr-reset-rcvd	INT32	Incremental	active	Total number of HLR reset indicator received by MAP.	Not Defined	per MAP service	Standard
sgsn	map-mo-fwd-req-sent	INT32	Incremental	active	Total number of mobile originated forward request messages sent to MAP.	Not Defined	per MAP service	Standard
sgsn	map-mo-fwd-rsp-rcvd	INT32	Incremental	active	Total number of mobile originated forward response messages received from MAP.	Not Defined	per MAP service	Standard
sgsn	map-mo-fwd-rsp-failed	INT32	Incremental	active	Total number of mobile originated forward response messages failed at MAP.	Not Defined	per MAP service	Standard
sgsn	map-mo-fwd-rsp-time-out	INT32	Incremental	active	Total number of mobile originated forward response messages timed-out at MAP.	Not Defined	per MAP service	Standard
sgsn	map-mt-fwd-req-sent	INT32	Incremental	active	Total number of mobile terminated forward request messages sent to MAP.	Not Defined	per MAP service	Standard
sgsn	map-mt-fwd-rsp-rcvd	INT32	Incremental	active	Total number of mobile terminated forward request messages received from MAP.	Not Defined	per MAP service	Standard
sgsn	map-mt-fwd-rsp-failed	INT32	Incremental	active	Total number of mobile terminated forward response messages failed at MAP.	Not Defined	per MAP service	Standard
sgsn	map-ready-for-sm-req	INT32	Incremental	active	Total number of MAP ready for session management request received.	Not Defined	per MAP service	Standard
sgsn	map-ready-for-sm-rsp	INT32	Incremental	active	Total number of MAP ready for session management request response received.	Not Defined	per MAP service	Standard
sgsn	map-ready-for-sm-rsp-failed	INT32	Incremental	active	Total number of MAP ready for session management requests failed.	Not Defined	per MAP service	Standard
sgsn	map-ready-for-sm-rsp-time-out	INT32	Incremental	active	Total number of MAP ready for session management requests timed-out.	Not Defined	per MAP service	Standard
sgsn	tcap-total-active-trans	INT32	Gauge	active	Total number of active transaction capabilities application part (TCAP) Dialogs in the system.	Counter When a new TCAP Dialog is created.	Not Defined	Standard
sgsn	tcap-total-active-invoks	INT32	Gauge	active	Total number of active transactions invoked by TCAP.	Not Defined	Not Defined	Standard
sgsn	tcap-total-msg-drops	INT32	Incremental	active	Total number of TCAP message drops.	Not Defined	Not Defined	Standard
sgsn	tcap-total-msg-rcvd	INT32	Incremental	active	Total number of TCAP message received.	Not Defined	Not Defined	Standard
sgsn	tcap-total-msg-sent	INT32	Incremental	active	Total number of TCAP message sent.	Not Defined	Not Defined	Standard
sgsn	tcap-uni-dir-msg-rcvd	INT32	Incremental	active	Total number of TCAP unidirectional messages received.	Not Defined	Not Defined	Standard
sgsn	tcap-uni-dir-msg-sent	INT32	Incremental	active	Total number of TCAP unidirectional messages sent.	Not Defined	Not Defined	Standard
sgsn	tcap-begin-msg-rcvd	INT32	Incremental	active	Total number of messages received for TCAP begin state.	Not Defined	Not Defined	Standard
sgsn	tcap-begin-msg-sent	INT32	Incremental	active	Total number of messages sent for TCAP begin state.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	tcap-continue-msg-rcvd	INT32	Incremental	active	Total number of messages received for TCAP continue state.	Not Defined	Not Defined	Standard
sgsn	tcap-continue-msg-sent	INT32	Incremental	active	Total number of messages sent for TCAP continue state.	Not Defined	Not Defined	Standard
sgsn	tcap-end-msg-rcvd	INT32	Incremental	active	Total number of messages received for TCAP end state.	Not Defined	Not Defined	Standard
sgsn	tcap-end-msg-sent	INT32	Incremental	active	Total number of messages sent for TCAP end state.	Not Defined	Not Defined	Standard
sgsn	tcap-total-abort-rcvd	INT32	Incremental	active	Total number of messages received for TCAP abort state.	Not Defined	Not Defined	Standard
sgsn	tcap-total-abort-sent	INT32	Incremental	active	Total number of messages sent for TCAP abort state.	Not Defined	Not Defined	Standard
sgsn	tcap-total-comp-rx	INT32	Incremental	active	Total number of TCAP components received.	Not Defined	Not Defined	Standard
sgsn	tcap-total-comp-tx	INT32	Incremental	active	Total number of TCAP components sent.	Not Defined	Not Defined	Standard
sgsn	tcap-total-comp-invoke-rx	INT32	Incremental	active	Total number of invoke messages for TCAP component received.	Not Defined	Not Defined	Standard
sgsn	tcap-total-comp-invoke-tx	INT32	Incremental	active	Total number of invoke messages for TCAP component sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-retresult-rx	INT32	Incremental	active	Total number of return result messages for TCAP component received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-retresult-tx	INT32	Incremental	active	Total number of return result messages for TCAP component sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-reterr-rx	INT32	Incremental	active	Total number of return error messages for TCAP component received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-reterr-tx	INT32	Incremental	active	Total number of return error messages for TCAP component sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-retrej-rx	INT32	Incremental	active	Total number of return reject messages for TCAP component received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-retrej-tx	INT32	Incremental	active	Total number of return reject messages for TCAP component sent.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-unrec-msgtype-rx	INT32	Incremental	active	Total number of protocol errors in transaction portion (P-ABORT) with unrecognized message type for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-unrec-msgtype-tx	INT32	Incremental	active	Total number of protocol errors in transaction portion with unrecognized message type for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-incorrect-rx	INT32	Incremental	active	Total number of protocol errors in transaction portion with incorrect information for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-incorrect-tx	INT32	Incremental	active	Total number of protocol errors in transaction portion with incorrect information for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-badformed-rx	INT32	Incremental	active	Total number of protocol errors in transaction portion with badly formatted transaction portion for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-badformed-tx	INT32	Incremental	active	Total number of protocol errors in transaction portion with badly formatted transaction portion for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-unrecognised-rx	INT32	Incremental	active	Total number of protocol errors in transaction portion with unrecognized transaction portion for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-unrecognised-tx	INT32	Incremental	active	Total number of protocol errors in transaction portion with unrecognized transaction portion for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-resource-limit-rx	INT32	Incremental	active	Total number of protocol errors in transaction portion with resource limit message for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-tran-resource-limit-tx	INT32	Incremental	active	Total number of protocol errors in transaction portion with resource limit message for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrecognised-rx	INT32	Incremental	active	Total number of errors in component portion with unrecognized information for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrecognised-tx	INT32	Incremental	active	Total number of errors in component portion with unrecognized information for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-incorrect-rx	INT32	Incremental	active	Total number of errors in component portion with incorrect information for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-incorrect-tx	INT32	Incremental	active	Total number of errors in component portion with incorrect information for TCAP sent.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	tcap-comp-badformed-rx	INT32	Incremental	active	Total number of errors in component portion with badly formed information for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-badformed-tx	INT32	Incremental	active	Total number of errors in component portion with badly formed information for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-linkid-rx	INT32	Incremental	active	Total number of errors in component portion with unrecognized link id for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-linkid-tx	INT32	Incremental	active	Total number of errors in component portion with unrecognized link id for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-invid-res-rx	INT32	Incremental	active	Total number of errors in component portion with unrecognized invoke id (return result) for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-invid-res-tx	INT32	Incremental	active	Total number of errors in component portion with unrecognized invoke id (return result) for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unexp-res-rx	INT32	Incremental	active	Total number of errors in component portion with unexpected return result for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unexp-res-tx	INT32	Incremental	active	Total number of errors in component portion with unexpected return result for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-invid-err-rx	INT32	Incremental	active	Total number of errors in component portion with unrecognized invoke id (return error) for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unrec-invid-err-tx	INT32	Incremental	active	Total number of errors in component portion with unrecognized invoke id (return error) for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unexp-err-rx	INT32	Incremental	active	Total number of errors in component portion with unexpected return error for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-comp-unexp-err-tx	INT32	Incremental	active	Total number of errors in component portion with unexpected return error for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-duplicate-invid-rx	INT32	Incremental	active	Total number of user generated errors of duplicate invoke id for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-duplicate-invid-tx	INT32	Incremental	active	Total number of user generated errors of duplicate invoke id for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unrec-opcode-rx	INT32	Incremental	active	Total number of user generated errors of unrecognized operation code for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unrec-opcode-tx	INT32	Incremental	active	Total number of user generated errors of unrecognized operation code for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-incorr-params-rx	INT32	Incremental	active	Total number of user generated errors of incorrect invoke parameter for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-incorr-params-tx	INT32	Incremental	active	Total number of user generated errors of incorrect invoke parameter for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-resourcelimit-rx	INT32	Incremental	active	Total number of user generated errors of resource limit invoke error for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-resourcelimit-tx	INT32	Incremental	active	Total number of user generated errors of resource limit invoke error for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-initiate-release-rx	INT32	Incremental	active	Total number of user generated errors of release initiated invoke error for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-initiate-release-tx	INT32	Incremental	active	Total number of user generated errors of release initiated invoke error for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unexp-linked-resp-rx	INT32	Incremental	active	Total number of user generated errors of unexpected linked response error for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unexp-linked-resp-tx	INT32	Incremental	active	Total number of user generated errors of unexpected linked response error for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unexp-linked-oper-rx	INT32	Incremental	active	Total number of user generated errors of unexpected linked operation error for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-unexp-linked-oper-tx	INT32	Incremental	active	Total number of user generated errors of unexpected linked operation error for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-res-incorr-params-rx	INT32	Incremental	active	Total number of user generated errors of result code with incorrect parameter for TCAP received.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	tcap-user-res-incorr-params-tx	INT32	Incremental	active	Total number of user generated errors of result code with incorrect parameter for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-res-unrec-errcode-rx	INT32	Incremental	active	Total number of user generated errors of result code with unrecognized error code for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-res-unrec-errcode-tx	INT32	Incremental	active	Total number of user generated errors of result code with unrecognized error code for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-res-unexp-errcode-rx	INT32	Incremental	active	Total number of user generated errors of result code with unexpected error code for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-res-unexp-errcode-tx	INT32	Incremental	active	Total number of user generated errors of result code with unexpected error code for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	tcap-user-err-incorr-params-rx	INT32	Incremental	active	Number of user generated errors of error code with incorrect parameter for TCAP received.	Not Defined	Not Defined	Standard
sgsn	tcap-user-err-incorr-params-tx	INT32	Incremental	active	Total number of user generated errors of error code with incorrect parameter for TCAP sent.	Not Defined	Not Defined	Standard
sgsn	mo-sms-in-progress	INT32	Gauge	active	Number of mobile originated SMS that are waiting in the SGSN to be delivered.	Not Defined	Not Defined	Standard
sgsn	mt-sms-in-progress	INT32	Gauge	active	Number of mobile terminated (MT) SMS in progress.	Not Defined	Not Defined	Standard
sgsn	mt-sms-in-queue	INT32	Gauge	active	New gauge in release 9.0: Total number of mobile terminated SMS in the queue.	If there is already an MT-SMS transaction in progress, then the gauge When any new messages are received and queued.	per MAP service	Standard
sgsn	sms-memory-available-in-progress	INT32	Gauge	active	Number of procedures for retrieval of available SMS memory in progress.	Not Defined	Not Defined	Standard
sgsn	mo-sms-attempted	INT32	Incremental	active	Total number of mobile originated SMSs attempted.	Not Defined	Not Defined	Standard
sgsn	mo-sms-successful	INT32	Incremental	active	Total number of mobile originated SMSs successful.	Not Defined	Not Defined	Standard
sgsn	mt-sms-attempted	INT32	Incremental	active	Total number of mobile terminated SMSs attempted.	Not Defined	Not Defined	Standard
sgsn	mt-sms-successful	INT32	Incremental	active	Total number of mobile terminated SMSs successful.	Not Defined	Not Defined	Standard
sgsn	sms-memory-available-attempted	INT32	Incremental	active	Total number of procedures for retrieval of available SMS memory attempted.	Not Defined	Not Defined	Standard
sgsn	sms-memory-available-successful	INT32	Incremental	active	Total number of procedures for retrieval of available SMS memory successful.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-tx	INT32	Incremental	active	Total number of protocol data units sent during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-rx	INT32	Incremental	active	Total number of protocol data units received during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-ack-tx	INT32	Incremental	active	Total number of Ack messages sent during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-ack-rx	INT32	Incremental	active	Total number of Ack messages received during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-tx	INT32	Incremental	active	Total number of protocol errors during connection setup in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-rx	INT32	Incremental	active	Total number of protocol errors during connection setup n Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-nwt-fail-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to network failure in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-nwt-fail-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to network failure in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-congestion-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to congestion in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-congestion-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to congestion in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-tid-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid transaction id (TID) in Tx message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	conn-prot-error-invalid-tid-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid transaction id (TID) in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-semantic-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid semantics in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-semantic-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid semantics in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-mand-info-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as mandatory information in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-mand-info-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as mandatory information in Rx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-msg-type-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid Tx message type.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-msg-type-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to invalid Tx message type.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-prot-state-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol state in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-prot-state-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol state in Rx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-ie-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as information element in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-invalid-ie-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as information element in Rx message is invalid.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-protocol-error-tx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol error in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-protocol-error-rx	INT32	Incremental	active	Total number of protocol errors during connection setup as protocol error in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-undefined-cause-tx	INT32	Incremental	active	Total number of protocol errors during connection setup due to unspecified error in Tx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-undefined-cause-rx	INT32	Incremental	active	Total number of protocol errors during connection setup due to unspecified error in Rx message.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-dropped	INT32	Incremental	active	Total number of data packets dropped during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-ack-dropped	INT32	Incremental	active	Total number of Ack message dropped during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-error-dropped	INT32	Incremental	active	Total number of data packets dropped during connection setup due to error in connection.	Not Defined	Not Defined	Standard
sgsn	conn-prot-inval-tid-rcvd	INT32	Incremental	active	Total number of message dropped during connection setup due to invalid transaction id (TID) received.	Not Defined	Not Defined	Standard
sgsn	relay-prot-data-tx	INT32	Incremental	active	Total number of protocol data units sent during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-data-rx	INT32	Incremental	active	Total number of protocol data units received during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-ack-tx	INT32	Incremental	active	Total number of Ack messages sent during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-ack-rx	INT32	Incremental	active	Total number of Ack messages received during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-tx	INT32	Incremental	active	Total number of protocol errors during message relay in Tx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-rx	INT32	Incremental	active	Total number of protocol errors during message relay n Rx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-unassigned-num	INT32	Incremental	active	Total number of protocol errors during message relay due to unassigned protocol number.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-opr-determ-barring	INT32	Incremental	active	Total number of protocol errors during message relay due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-call-barred	INT32	Incremental	active	Total number of protocol errors during message relay due to call barring.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	relay-prot-err-reserved	INT32	Incremental	active	Total number of protocol errors during message relay due to reserved resources.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-sm-transfer-rej	INT32	Incremental	active	Total number of protocol errors during message relay due to session manager transfer rejection.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-dest-out-of-order	INT32	Incremental	active	Total number of protocol errors during message relay due to out of order on destination.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-unidentified-subs	INT32	Incremental	active	Total number of protocol errors during message relay due to unidentified subscriber.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-facility-rej	INT32	Incremental	active	Total number of protocol errors during message relay due facility rejection.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-unknown-subs	INT32	Incremental	active	Total number of protocol errors during message relay due to unknown subscriber.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-netwk-out-of-order	INT32	Incremental	active	Total number of protocol errors during message relay as network in out-of-order.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-temp-fail	INT32	Incremental	active	Total number of protocol errors during message relay due to temporary failure in network.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-congestion	INT32	Incremental	active	Total number of protocol errors during message relay due to congestion in network.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-not-subscribed	INT32	Incremental	active	Total number of protocol errors during message relay as this service is not subscribed by subscriber.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-not-implemented	INT32	Incremental	active	Total number of protocol errors during message relay as this service is not yet implemented.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-interworking-err	INT32	Incremental	active	Total number of protocol errors during message relay due to interworking error between two network or technology.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-res-unavail	INT32	Incremental	active	Total number of protocol errors during message relay as resources are not available.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-mem-capacity-exceed	INT32	Incremental	active	Total number of protocol errors during message relay as capacity exceeded.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-ref-num-tx	INT32	Incremental	active	Total number of protocol errors during message relay as invalid reference in Tx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-ref-num-rx	INT32	Incremental	active	Total number of protocol errors during message relay as invalid reference in Rx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-semantic-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid semantics in Tx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-semantic-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid semantics in Rx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-mand-info-tx	INT32	Incremental	active	Total number of protocol errors during message relay as mandatory information in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-mand-info-rx	INT32	Incremental	active	Total number of protocol errors during message relay as mandatory information in Rx message is invalid.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-msg-type-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid Tx message type.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-msg-type-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to invalid Tx message type.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-prot-state-tx	INT32	Incremental	active	Total number of protocol errors during message relay as protocol state in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-prot-state-rx	INT32	Incremental	active	Total number of protocol errors during message relay as protocol state in Rx message is invalid.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-ie-tx	INT32	Incremental	active	Total number of protocol errors during message relay as information element in Tx message is invalid.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-inval-ie-rx	INT32	Incremental	active	Total number of protocol errors during message relay as the information element in Rx message is invalid.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	relay-prot-err-protocol-error-rx	INT32	Incremental	active	Total number of RP ERROR messages sent with the cause Protocol Error in the message header.	Counter When receiving an RP ERROR, with cause Protocol Error, from the MS/SMSC.	per MAP service	Standard
sgsn	relay-prot-err-protocol-error-tx	INT32	Incremental	active	Total number of protocol errors during message relay when there are protocol errors in the transmitted message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-unidentified-error-tx	INT32	Incremental	active	Total number of protocol errors during message relay due to unspecified error in Tx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-err-unidentified-error-rx	INT32	Incremental	active	Total number of protocol errors during message relay due to unspecified error in Rx message.	Not Defined	Not Defined	Standard
sgsn	relay-prot-smma-rx	INT32	Incremental	active	Counter new in release 9.0: Total number RP SMMA messages received.	When the SGSN receives an RP SMMA message from the MS/UE.	per MAP service	Standard
sgsn	relay-prot-data-dropped	INT32	Incremental	active	Total number of data packets dropped during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-ack-dropped	INT32	Incremental	active	Total number of Ack message dropped during message relay.	Not Defined	Not Defined	Standard
sgsn	relay-prot-error-dropped	INT32	Incremental	active	Total number of data packets dropped during message relay due to error in connection.	Not Defined	Not Defined	Standard
sgsn	relay-prot-decode-failure	INT32	Incremental	active	Total number of message dropped during message relay due to invalid transaction id (TID) received.	Not Defined	Not Defined	Standard
sgsn	concat-mo-sms	INT32	Incremental	active	Total number of concatenated mobile originated SMSs.	Not Defined	Not Defined	Standard
sgsn	conn-prot-timer-expiry	INT32	Incremental	active	Total number of events when timer expired during connection setup.	Not Defined	Not Defined	Standard
sgsn	tr1n-timer-expiry	INT32	Incremental	active	Total number of events when TR1N timer expired during mobile terminated SMS is in wait state for RP-ACK.	Not Defined	Not Defined	Standard
sgsn	tr2n-timer-expiry	INT32	Incremental	active	Total number of events when TR2N timer expired during mobile terminated SMS is in wait state to send RP-ACK.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-retrans	INT32	Incremental	active	Total number of protocol data units retransmitted during connection setup.	Not Defined	Not Defined	Standard
sgsn	relay-prot-msg-encode-fail	INT32	Incremental	active	Total number of message encoding failed during message relay.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-tx-fail	INT32	Incremental	active	Total number of protocol data units Tx messages failed during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-data-inval-tid	INT32	Incremental	active	Total number of protocol data units with invalid transaction id (ID) during connection setup.	Not Defined	Not Defined	Standard
sgsn	conn-prot-max-retrans-reached	INT32	Incremental	active	Total number of events when retransmission limit exhausted during connection setup.	Not Defined	Not Defined	Standard
sgsn	mt-fail-no-db-rec	INT32	Incremental	active	Total number of mobile terminated messages failed as not database record available.	Not Defined	Not Defined	Standard
sgsn	mt-fail-conn-prot-data-no-ack-rcvd	INT32	Incremental	active	Total number of mobile terminated messages failed as no acknowledgement received during connection setup.	Not Defined	Not Defined	Standard
sgsn	mt-fail-fwd-busy-subs	INT32	Incremental	active	Total mobile terminated messages failed due to busy subscriber.	Not Defined	Not Defined	Standard
sgsn	mt-fail-fwd-detached-subs	INT32	Incremental	active	Total mobile terminated messages failed due to detached subscriber.	Not Defined	Not Defined	Standard
sgsn	mt-fail-mt-queue-full	INT32	Incremental	active	Total mobile terminated messages failed as messaged queue was full.	Not Defined	Not Defined	Standard
sgsn	common-ra-3g-page-req-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA RANAP pages for a 3G subscriber.	When the subscriber is in an Idle state and any downlink PDU arrives or the subscriber is being cleared in Idle state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	common-ra-2g-page-req-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA BSSGP pages for a 2G subscriber.	When subscriber is in a Standby state and any downlink PDU arrives or a subscriber is being cleared in Standby state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-req-ret-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA RANAP page re-transmissions for a 3G subscriber.	When a subscriber is an Idle state and any downlink PDU arrives or a subscriber is cleared in an Idle state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-req-ret-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common BSSGP page re-transmissions for a 2G subscriber.	When a subscriber is in standby state and any downlink PDU arrives or subscriber is cleared in standby state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-req-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA BSSGP pages for a 3G subscriber.	When a subscriber is in an Idle state and any downlink PDU arrives or a subscriber is cleared in Idle state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-req-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA RANAP pages for a 2G subscriber.	When subscriber is in standby state and any downlink pdu arrives or sthe ubscriber is cleared in standby state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-req-ret-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA BSSGP page re-transmissions for a 3G subscriber.	When a subscriber is in an Idle state and any downlink PDU arrives or a subscriber is cleared in Idle state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-req-ret-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA RANAP page re-transmissions for a 2G subscriber.	When subscriber is in standby state and any downlink pdu arrives or sthe ubscriber is cleared in standby state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-rsp-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA page responses for a 3G subscriber at 3G .	Service Request in page response pending state. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	common-ra-2g-page-rsp-same-rat	INT32	Incremental	active	This proprietary counter tracks the total number of common RA page response for a 2G subscriber at 2G.	Page response at 2G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-rsp-attach-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Attach at 2G from same RAI for a subscriber earlier attached at 3G in page response pending state.	Attach from same RAI at 2G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-rsp-attach-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Attach at 3G from same RAI for a subscriber earlier attached at 2G in page response pending state.	Attach from same RAI at 3G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-rsp-rau-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of RAU at 2G from same RAI for a subscriber earlier attached at 3G in page response pending state.	RAU from same RAI at 2G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-rsp-rau-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of RAU at 3G from same RAI for a subscriber earlier attached at 2G in page response pending state.	RAU from same RAI at 3G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-rsp-power-off-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Power Off Detach at 2G from same RAI for a subscriber earlier attached at 3G in page response pending state.	Power off detach from same RAI at 2G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-rsp-power-off-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Power Off Detach at 3G from same RAI for a subscriber earlier attached at 2G in page response pending state	Power off detach from same RAI at 3G. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-timeout-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of BSSGP page re-tries over for a 3G subscriber.	No response to common RA BSSGP page and all re-tries are over. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-timeout-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of RANAP page re-tries over for a 2G subscriber.	No response to common RA RANAP page and all re-tries are over Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-page-stop	INT32	Incremental	active	This proprietary counter counts the stop of of ongoing page for a 3G subscriber.	Any incoming message that stops the ongoing page. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-page-stop	INT32	Incremental	active	This proprietary counter counts the stop of of ongoing page for a 2G subscriber.	Any incoming message that stops the ongoing page. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-attach-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Attach at 2G from same RAI for a subscriber earlier attached at 3G.	Subscriber at 3G , Attach from 2G from same RAI. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	common-ra-2g-attach-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Attach at 3G from same RAI for a subscriber earlier attached at 2G.	Subsriber at 2G, Attach from 3G from same RAI . Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-rau-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of RAU at 2G from same RAI for a subscriber earlier attached at 3G.	Subscriber at 3G , RAU from 2G from same RAI. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-rau-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of RAU at 3G from same RAI for a subscriber earlier attached at 2G.	Subscriber at 2G, Attach from 3G from same RAI. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-3g-power-off-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Power Off Detach at 2G from same RAI for a subscriber earlier attached at 3G.	Subscriber at 3G , Power off Detach from 2G from same RAI. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	common-ra-2g-power-off-other-rat	INT32	Incremental	active	This proprietary counter tracks the total number of Power Off Detach at 3G from same RAI for a subscriber earlier attached at 2G.	Subscriber at 2G, Power off detach from 3G from same RAI. Availability: per SGSN (system-wide), per SGSN service, per RA	per SGSN (system-wide), per SGSN service, per RA	Standard
sgsn	act-subs-16-32-mbps	INT32	Incremental	active	This proprietary counter tracks the number of subscribers having one PDP context with negotiated MBR in the range 16-32 Mbps or one or more PDP context with negotiated MBR in the range 16-32 Mbps or one PDP context with negotiated MBR in the range 16-32 Mbps and rest with MBR less than 16 Mbps	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-subs-32-64-mbps	INT32	Incremental	active	This proprietary counter tracks the number of subscribers having one PDP context with negotiated MBR in the range 32-64 Mbps or one or more PDP context with negotiated MBR in the range 32-64 Mbps or one PDP context with negotiated MBR in the range 32-64 Mbps and rest with MBR less than 32 Mbps	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-subs-64-128-mbps	INT32	Incremental	active	This proprietary counter tracks the number of subscribers having one PDP context with negotiated MBR in the range 64-128 Mbps or one or more PDP context with negotiated MBR in the range 64-128 Mbps or one PDP context with negotiated MBR in the range 64-128 Mbps and rest with MBR less than 64 Mbps	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-subs-128-256-mbps	INT32	Incremental	active	This proprietary counter tracks the number of subscribers having one PDP context with negotiated MBR in the range 128-256 Mbps or one or more PDP context with negotiated MBR in the range 128-256 Mbps or one PDP context with negotiated MBR in the range 128-256 Mbps and rest with MBR less than 128 Mbps	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-ctx-16-32-mbps	INT32	Incremental	active	This proprietary counter tracks the number of active PDP contexts with negotiated MBR in the range 16-32 Mbps.	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-ctx-32-64-mbps	INT32	Incremental	active	This proprietary counter tracks the number of active PDP contexts with negotiated MBR in the range 32-64 Mbps.	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn	act-ctx-64-128-mbps	INT32	Incremental	active	This proprietary counter tracks the number of active PDP contexts with negotiated MBR in the range 64-128 Mbps.	Activation or Modification of PDP Context.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn	act-ctx-128-256-mbps	INT32	Incremental	active	This proprietary counter tracks the number of active PDP contexts with negotiated MBR in the range 128-256 Mbps.	Activation or Modification of PDP Context.	per SGSN service	Standard
sgsn-gprs-bk	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgsn-gprs-bk	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the GPRS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgsn-gprs-bk	servname	STRING	Primary-key	active	The name of the GPRS service for which these statistics are being displayed.	Configuration	Per GPRS Service	Standard
sgsn-gprs-bk	2G-attached-bk	INT32	Incremental	active	Total number of subscribers and including home and visiting and attached for 2G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-home-subscribers-bk	INT32	Incremental	active	Indicates the total number of home subscribers attached for 2G service; where home means the MCC and MNC of the IMSI are equal to the SGSN PLMN ID.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-visiting-national-bk	INT32	Incremental	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC (from IMSI) matches with GPRS service's MCC and but MNC is different from the GPRS service's MNC for 2G service.	1) When a national subscriber attaches to the SGSN. 2) Decrements when a national subscriber detaches from the SGSN.	per GPRS service; per RA	Standard
sgsn-gprs-bk	2G-visiting-foreign-bk	INT32	Incremental	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC/MNC (from IMSI) does not match with the PLMN of the 2G SGSN service.	1) When a subscriber establishes an Iu and completes the security procedure in it. 2) Decrements when a connected subscriber releases the Iu.	per GPRS service; per RA	Standard
sgsn-gprs-bk	2G-attached-with-pdp-bk	INT32	Incremental	active	Total number of 2G visiting and home subscribers in attached state with at least one active PDP context per GPRS service.	This gauge changes after successful activation of the first PDP context for a subscriber.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-num-actv-pdp-bk	INT32	Incremental	active	Total number of active PDP context (primary and secondary type) for 2G service in SGSN.	1) When the context is completely active in the SGSN. 2) Decrements when the context is deleted from the SGSN.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-num-actv-pdp-on-s4-bk	INT32	Incremental	active	The number of 2G PDP contexts activated via S4 interface.	If S4 interface is chosen for a subscriber and this counter is incremented during PDP activation. If S4 interface is chosen for a subscriber and this counter is decreased upon PDP deactivation.	per GPRS Service	Standard
sgsn-gprs-bk	2G-total-attach-req-bk	INT32	Incremental	active	Total number of 2G Attach Requests received from UEs.	Increments when the SGSN receives an IMSI-Attach Request (local) or a P-TMSI-Attach Request (foreign) from a UE.	per GPRS service and NSEI and RAI	Standard
sgsn-gprs-bk	2G-attach-req-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-imsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-imsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-attach-req-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-local-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-local-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-remote-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-req-remote-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-accept-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-accept-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-attach-reject-bk	INT32	Incremental	active	Total number of Attach Rejects sent with individual causes against Attach Requests of type GPRS Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-reject-gprs-bk	INT32	Incremental	active	Not Available	N/A	N/A	Standard
sgsn-gprs-bk	2G-attach-reject-comb-bk	INT32	Incremental	active	Sum of all Attach-Reject counters with individual causes sent against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS Service	Standard
sgsn-gprs-bk	2G-attach-rej-imsi-unknown-at-hlr-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause imsi unknown at hlr against Attach requests of type GPRS Attach in 2G service.	NAME?	per GPRS Service	Standard
sgsn-gprs-bk	2G-attach-rej-illegal-ms-bk	INT32	Incremental	active	Total number of 2G Attach Requests rejected by the SGSN when authentication of the UE fails.	Increments when: A UE tries to attach to a 2G SGSN and the authentication and ciphering response timer expires. A UE tries to attach to a 2G SGSN and the authentication and ciphering response fails.A UE tries to attach to a 2G SGSN and the UE does not provide ID Response when SGSN sends IMSI Identity Request.	Per GPRS Service and NSEI and RAI	Standard
sgsn-gprs-bk	2G-attach-rej-illegal-me-bk	INT32	Incremental	active	Total number of 2G Attach Requests rejected for UEs attempting to Attach with either a prohibited or blacklisted IMEI.	Increments when: - Attaching UE's IMEI is prohibited/blacklisted - UE does not provide ID Response when SGSN sends IMEI Identity Request.	per GPRS Service and NSEI and RAI	Standard
sgsn-gprs-bk	2G-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req. - for rejecting attaches due to subscriber control inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-gprs-and-non-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS Services not allowed against Attach requests of type GPRS Attach in 2G service.	Counter increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-msid-not-derived-by-nwt-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msid not derived by nwt against Attach Requests of type GPRS Attach in 2G service.	Increment - when SGSN-Context-Resp arrives with any cause other than accepted. - when GMM-Identity-Req with MS fails. - when GTP-Identity-Req with MS fails. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of Attach Requests rejected with cause implicitly detached against Attach requests of type GPRS Attach in 2G service.	Increments - Lost/Bad radio signal .received before Attach Accept sent to MS. - Suspend message received while handling attach. - BVC reset or BVC Block received while handling attach. - T3350 timer (attach accept timer) expired. - Call control profile configured to restrict attaches (attach restrict command). - P-TMSI signature mismatch handler configured (gmm attach ptmsi-signature-mismatch send-reject failure-code 9 command of GPRS service) to send reject with failure cause IMPLICITLY_DETACHED - CAMEL subscription check failed. - Resource limit reached (resources such as memory or flow limit. - Attach Reject sent for a subscriber already in 3G when 2G Attach is received. While 2G Attach trying to process if Cancel-Location or DSD received in 3G and 2G Attach is rejected with cause 'Implicitly-Detached'.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause plmn not allowed against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-la-not-allowed-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-roaming-not-allowed-in-this-location-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in this Location Area against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-gprs-service-not-allowed-in-this-plmn-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed in this PLMN against Attach Requests of type GPRS Attach in 2G service.	1) On getting Roaming not allowed from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-no-suitable-cells-in-location-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cell in location area against Attach requests of type GPRS Attach in 2G service.	1) On getting UMTS Access Control from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type GPRS Attach in 3G service.	Not enough credits at session manager. On getting cause data missing from HLR in SAI-Req/GLU-Req. Too many IU's for the same IMSI. On congestion and if configured for attach-throttling. When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-no-data-from-hlr-bk	INT32	Incremental	active	This proprietary counter tracks the total number of rejects due to the HLR-related UGL and SAI failure causes.	Incremenets when SGSN receives a failure response from the HLR.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-congestion-thrtl-bk	INT32	Incremental	active	This proprietary counter tracks the total number of network overload protection Rejects received by the SGSN. Throttling is enabled to avoid congestion and via the configuration on SGSN.	Throttling of Attach (for GPRS Attach) due to overload protection configuration.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-opr-policy-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects (for GPRS) due to configured operator policy restrictions.	Whenever operator policy restrictions are applied and such as inter RAT restrictions.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-check-imei-timeout-eir-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to timeout for Check-IMEI Response from the EIR.	Whenever Timeout for Check-IMEI Response from the EIR.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-ext-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to external triggers with cause network failure.	When one of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-network-failure-int-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to internal triggers with cause network failure.	No internal triggers at this time - this statistic is a placeholder for future development.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-attach-rej-mac-failure-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-attach-rej-sync-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause sync failure against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-congestion-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 2G service due to network congestion.	Increments - on congestion and if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm auth unacceptable against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-no-pdp-ctx-activated-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause no pdp ctx activated against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry from new cell against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem wrong msg against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-invalid-mand-info-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid mand info against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-msg-type-not-exist-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not exist against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-msg-type-not-comp-prot-state-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not comp prot state against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie non existent against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-attach-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional ie err against Attach Requests of type GPRS Attach in 2G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-msg-not-comp-prot-state-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg not comp prot state against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-protocol-error-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol error against Attach Requests of type GPRS Attach in 2G service.	Increments - when the PLMN-id in BSSGP message does not match the configured PLMN at GPRS-service. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-rej-unknown-cause-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause unknown cause against Attach Requests of type GPRS Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-imsi-unknown-at-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to IMSI not known at HLR.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from hlr for glu/sai-req. - for rejecting attaches due to subscriber-control-inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-gprs-and-non-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting Imsi unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-msid-not-derived-by-nwt-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 2G service as network failed to derive MSID from request message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-attach-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as subscriber implicitly detached from network.	Increments - Lost/Bad radio signal .received before Attach Accept sent to MS. - Suspend message received while handling attach. - BVC reset or BVC Block received while handling attach. - T3350 timer (attach accept timer) expired. - Call control profile configured to restrict attaches (attach restrict command). - P-TMSI signature mismatch handler configured (gmm attach ptmsi-signature-mismatch send-reject failure-code 9 command of GPRS service) to send reject with failure cause IMPLICITLY_DETACHED - CAMEL subscription check failed. - Resource limit reached (resources such as memory or flow limit}.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-la-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-roam-not-allow-in-loc-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in LA against attached request of type Combined GPRS/IMSI Attach in 2G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-gprs-svc-not-allow-in-plmn-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Service Not Allowed in PLMN against Attach Requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-no-suitable-cells-in-loc-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cells in LA against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type Combined GPRS/IMSI Attach in 2G service.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req. - on XID failure for RAU. - inability to send an SGSN-CTX-Req out for an RAU. - inability to send a Check-IMEI Request out. - on congestion and if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-no-data-from-hlr-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR-related UGL and SAI failure causes.	Failure response from HLR for combined GPRS/IMSI Attach.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-congestion-thrtl-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects due to network overload protection configuration. Throttling is enabled and via SGSN configuration and to avoid congestion.	Throttling of Attach (for combined GPRS/IMSI Attach) occurs due to overload protection configuration.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-opr-policy-failure-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Attach Rejects (for combined GPRS/IMSI) due to the configured operator policy restrictions.	Whenever operator policy restrictions and such as Inter-RAT restrictions and are applied.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-check-imei-timeout-eir-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects that are due to timeout for the Check-IMEI Response from the EIR	Timeout for the Check-IMEI Response and from the EIR and for combined GPRS/IMSI.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-ext-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to external triggers with cause network failure.	When one of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions.	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-network-failure-int-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to internal triggers with cause network failure.	No internal triggers at this time - this statistic is a placeholder for future development.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-attach-rej-mac-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-sync-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-attach-rej-congestion-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach requests of type Combined GPRS/IMSI Attach in the 2G service.	Increments - on congestion and if configured for attach-throttling. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-attach-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm-auth-unacceptable against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-no-pdp-ctx-activated-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause no-pdp-ctx-activated against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry-from-new-cell against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem-wrong-msg against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-invalid-mand-info-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid-mand-info against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-msg-type-not-exist-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-exist against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-msg-type-not-comp-pstate-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-type-not-comp-pstate against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie-non-existent against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional-ie-err against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - on decode failure of messages. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-msg-not-comp-prot-state-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg-not-comp-prot-state against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-attach-rej-protocol-error-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol-error against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	Increments - when the PLMN ID in the MSSGP message does not match the configured PLMN in the GPRS Service. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-attach-rej-unknown-cause-bk	INT32	Incremental	active	Total number of Attach Rejects sent with any cause other than those captured in stats already listed against Attach Requests of type Combined GPRS/IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-attach-fail-ongoing-proc-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-simple-attach-rej-randomtlli-collision-bk	INT32	Incremental	active	Total number of times the SGSN has rejected an Attach Request with Random TLLI received in GPRS access,if it was received while the SGSN was processing another Attach Request with the same Random TLLI.	Based on settings for the SGSN Global Configuration gmm-message command, the SGSN rejects attach requests due to same Random TLLI collisions.	per GPRS service	Standard
sgsn-gprs-bk	2G-attach-fail-ongoing-proc-comb-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) attach procedures failed due to on going attach procedures for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-combined-attach-rej-randomtlli-collision-bk	INT32	Incremental	active	Total number of times the SGSN has rejected an combined-Attach Request with Random TLLI received in GPRS access,if it was received while the SGSN was processing another Attach Request with the same Random TLLI.	Based on settings for the SGSN Global Configuration gmm-message command, the SGSN rejects attach requests due to same Random TLLI collisions	per GPRS service	Standard
sgsn-gprs-bk	2G-total-attach-fail-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-total-attach-fail-comb-bk	INT32	Incremental	active	Total number of Attach Requests of type Combined GPRS/IMSI Attach that were dropped from processing in 2G service.	When another Attach and differing from current Attach and was received and pre-empted existing Attach procedure.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-attach-fail-all-bk	INT32	Incremental	active	Sum of the stats for 2G-total-attach-fail + 2G-total-attach-fail-comb.	n/a	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-rau-bk	INT32	Incremental	active	Total number of 2G Intra-SGSN RAU messages received from UEs.	Increments when the UE has moved to a new RA/BSC that is attached to this SGSN (the same SGSN).	per GPRS service and NSEI and RAI	Standard
sgsn-gprs-bk	2G-intra-comb-rau-bk	INT32	Incremental	active	Total number of intra SGSN combined (GPRS and IMSI) routing area updates received for 2G service. Type : Counter	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-periodic-rau-bk	INT32	Incremental	active	Total number of periodic routing area updates received for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-inter-sgsn-rau-bk	INT32	Incremental	active	Total number of 2G Inter-SGSN RAU received from UEs.	Increments when the SGSN receives a 2G Inter-SGSN RAU from a UE because the UE has performed a 2G RAU to change attachment to this SGSN.	per GPRS service and NSEI and RAI	Standard
sgsn-gprs-bk	2G-inter-sgsn-comb-rau-bk	INT32	Incremental	active	Total combined (GPRS and IMSI) inter-SGSN-RA update request messages for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-rau-accept-intra-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-rau-accept-intra-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-rau-accept-periodic-bk	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests of type Periodic Updating with update type RA updated in 2G service.	Increments on sending a successful RAU-Accept with update-result Periodic Updated.	per GPRS service	Standard
sgsn-gprs-bk	2G-rau-accept-inter-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-rau-accept-inter-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-rau-complete-bk	INT32	Incremental	active	Total number of routing area update complete messages for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-reject-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-intra-rau-reject-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-periodic-rau-reject-bk	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Periodic RA Updating in 2G service.	A derived Counter See individual counters for trigger points.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-reject-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-inter-rau-reject-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-intra-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-illegal-me-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-gprs-svc-not-allw-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	The total intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-loc-area-not-allow-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-roam-not-allow-larea-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-gprs-svc-not-allow-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-rau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-intra-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-congestion-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	pstate-bk	INT32	Incremental	active	with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-msg-incompat-prot-state-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-illegal-me-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-intra-prau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-plmn-not-allowed-bk	INT32	Incremental	active	The total periodic intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to GPRS service not allowed in specific PLMN.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type periodic updating and for 2G service that were rejected where rau-reject messages were sent with a cause of No Suitable Cells In Location Area.	Increments: - upon receiving a UMTS access control message from a Siemens HLR for a sai-req (service area identify request). - when an operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-prau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type periodic updating and for 2G service that were rejected where rau-reject messages were sent with a cause of MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-prau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 2G service that were rejected where the rau-reject message was sent with a cause Network Failure	Increments : - upon receiving a sai-req with cause data missing from hlr. - on XID failure for RAU. - if unable to send a check-imei request out. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-prau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 2G service that were rejected where the rau-reject message was sent with a cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-prau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 2G service that were rejected where the rau-reject message was sent with a cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-prau-rej-congestion-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-intra-prau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-msg-incompat-pstate-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-prot-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-intra-prau-rej-unknown-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	The total intra-SGSN routing area update message rejected in intra-2G roaming due to specific PLMN not allowed.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-rau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU reject messages sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause No Suitable Cells In Location Area.	Increments: - upon receiving UMTS access control for the SAI-Request from the Siemens HLR. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MSC temporarily not reachable.	Increments - if there is not enough credits at session manager. - upon receiving cause data missing from hlr in the SAI-request. - if there are too many IU's for the same subscriber. - upon receiving an RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 2G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-rau-rej-congestion-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-msg-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause imsi-unknown-in-hlr against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on HLR sending a bad response to an SAI-Req or a GLU-Req. - on receiving zero (0) authorization vectors for HLR for SAI-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-ms against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-me against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon failure of IMEI verification with the EIR. - upon getting unknown equipment failure from EIR/HLR. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-illegal-me-bk	INT32	Incremental	active				

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-inter-rau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause gprs-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon receiving a cl(subs-with) while a RAU/Attach is in progress. - upon receiving Subscriber Unknown failure from the HLR for GLU/SAI-Req. - after rejecting attaches due to subscriber-control-inactivity. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause nongrps-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - upon receiving IMSI-Unknown from HLR in response to SAI-Req/GLU-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when SGSN-Context-resp arrives with any cause other than accepted. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause implicitly-detach against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when an operator policy is configured with this value as the reject cause for Attaches/RAUs. - when SGSN receives RAU from an unknown MS. - on t3350 expiry for the Attach-Accept.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause plmn-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause roam-not-allowed-in-location-area against inter-SGSN-RAU requests of type RA Updating in 2G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-inter-rau-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause no-cells-in-location-area against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msc-not-reachable against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on sending an Attach/RAU Accept with cause GPRS only attached or RA Updated for a cvombined CS/PS request either because: request timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause network-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on receiving cause data missing from HLR in SAI-Req/GLU-Req. - on receiving XID failure for RAU. - SGSN unable to send an SGSN-Ctx-Req for a RAU. - SGSN unable to send a Check-IMEI Request. - on congestion and when configured for attach-throttling. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause mac-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause syn-failure against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-congestion-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause congestion against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause gsm-auth-unacceptable against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause no-pdp-ctx-actvated against inter-SGSN-RAU requests of type RA Updating in 32G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-inter-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause retry-from-new-cell against inter-SGSN-RAU requests of type RA Updating in 32G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause sem-wrong-msg against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause invalid-mandatory-info against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-doesn't-exist against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-incompatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause ie-non-existent against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause cond-ie-error against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-not-compatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-inter-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause protocol-error against inter-SGSN-RAU requests of type RA Updating in 2G service.	Increments - when the PLMN-ID in the BSSGP message does not match the PLMN in the GPRS Service configuration. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-inter-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with any cause and other than those listed above and against inter-SGSN-RAU requests of type RA Updating in 2G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-irau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause GPRS services not allowed in this PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-irau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - when SGSN-Context-resp arrives with any cause other than accepted. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard
sgsn-gprs-bk	2G-comb-irau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause implicitly-detach against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	Increments - when the SGSN receives RAU from an unkown MS. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-irau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause plmn-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-irau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-irau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause roaming-not-allowed-in-location-area against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 2G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-comb-irau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-comb-irau-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-network-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to network failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-mac-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to MAC failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-syn-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-congestion-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-prot-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-comb-irau-rej-unknown-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 2G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	ps-inter-rat-rau-2g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	comb-inter-rat-rau-2g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Requests received in a 2G service from a 3G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	ps-inter-rat-rau-acc-2g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	comb-inter-rat-rau-acc-2g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 3G service to a 2G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	ps-inter-rat-rau-rej-2g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 3G service to a 2G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	comb-inter-rat-rau-rej-2g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 3G service to a 2G service.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	ps-inter-rat-rau-fail-2g-bk	INT32	Incremental	active	Total number of failures in GPRS-only inter-RAT RAU procedures initiated by subscribers moving from 3G services to 2G services.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 3G to 2G.	per RA and per GPRS service	Standard
sgsn-gprs-bk	comb-inter-rat-rau-fail-2g-bk	INT32	Incremental	active	This statistics has been deprecated.	Not Defined	Nothing	Standard
sgsn-gprs-bk	2G-irat-ps-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-illegal-ms-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Illegal MS.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-illegal-me-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Illegal ME.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 2G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-ps-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of GPRS only inter-service routing area update request rejects sent with cause MSID not derived by network against inter-Service-RAU requests in 3G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - when T3350 expiry for the Attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-ps-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-network-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - On XID failure for RAU - when unable to send an SGSN-Ctx-Req out for an RAU. - when unable to send a Check-IMEI Request out - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-mac-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-syn-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-congestion-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-ps-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-prot-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-ps-rej-unknown-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause IMSI unknown at HLR.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-comb-rej-illegal-ms-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Illegal MS.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-illegal-me-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause Illegal ME.	Increments - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 2G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 2G service.	Increments - when SGSN-Context-Resp arrives with any cause other than accepted - when GMM-Identity-Req with MS fails - when GTP-Identity-Req with MS fails - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Implicitly detached.	Increments - when we get an RAU from an unknown MS - on T3350 expiry for the attach-accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-comb-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Roaming area not allowed in the given location area.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 2G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 2G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-network-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Network Failure.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req - on XID failure for RAU - unable to send an SGSN-Ctx-Req out for an RAU - unable to send a Check-IMEI Request out - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-mac-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-syn-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-comb-rej-congestion-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Network Congestion.	Increments - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause message not compatible with protocol state.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-irat-comb-rej-prot-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause protocol error.	Increments - when the PLMN ID in BSSGP message does not match the configured PLMN at GPRS service - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-irat-comb-rej-unknown-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 2G service with cause unknown error.	Not Defined	per RA and per GPRS service	Standard
sgsn-gprs-bk	2G-intra-rau-failure-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-intra-rau-failure-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-periodic-rau-failure-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-inter-rau-failure-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-inter-rau-failure-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-intra-ra-upd-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-comb-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of combined RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-comb-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as another RAU/Attach/Detach was received.	When another Attach/RAU/Detach is received.	per GPRS service	Standard
sgsn-gprs-bk	2G-intra-perio-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 2G service due ongoing procedures.	Not Defined	per GPRS service	Standard
sgsn-gprs-bk	2G-inter-rau-fail-internal-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Inter RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption and congestion and collision scenarios and memory allocation failures.	per GPRS service or per RA	Standard
sgsn-gprs-bk	2G-inter-rau-fail-comb-internal-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of combined Inter RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption and congestion and collision scenarios and memory allocation failures.	per GPRS service or per RA	Standard
sgsn-gprs-bk	2G-intra-rau-fail-internal-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Intra RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption and congestion and collision scenarios and memory allocation failures.	per GPRS service or per RA	Standard
sgsn-gprs-bk	2G-intra-rau-fail-comb-internal-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of combined Intra RAU Failures due to internal errors.	SGSN problems which may have occurred such as variable corruption and congestion and collision scenarios and memory allocation failures.	per GPRS service or per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-paging-request-bk	INT32	Incremental	active	Total number of 2G service Paging Request messages originated by SGSN and sent to the Radio Network Controller (RNC) to contact mobile stations (MS).	1) Subscriber is in standby state and SGSN has some downlink signalling activity to do for network initiated detach procedure or downlink SM-messages (like modify-PDP-Request) to be sent. 2) Downlink data is to be sent to a standby subscriber.	per GPRS service	Standard
sgsn-gprs-bk	2G-paging-success-bk	INT32	Incremental	active	Total number of successful paging responses in 2G service.	Any LLC uplink frame received after a Page-Request is sent to MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-auth-cipher-response-bk	INT32	Incremental	active	Total authentication and ciphering request response messages for 2G service.	Whenever the MS sends a authentication and cipher response message.	per GPRS service	Standard
sgsn-gprs-bk	2G-auth-cipher-request-bk	INT32	Incremental	active	Total authentication and ciphering request messages for 2G service.	Whenever authentication procedure is initiated.	per GPRS service	Standard
sgsn-gprs-bk	2G-auth-cipher-mac-fail-bk	INT32	Incremental	active	Total authentication and ciphering failed due to message authentication code (MAC) failure for 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn-gprs-bk	2G-auth-cipher-syn-fail-bk	INT32	Incremental	active	Total number of authentication and cipher procedure failures messages received with cause SYNC failure in 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn-gprs-bk	2G-auth-unacceptable-bk	INT32	Incremental	active	Indicates the number of authentication and cipher procedure fail messages received with cause authentication unacceptable in 2G service.	When a authorization and cipher failure message is received with this cause.	per GPRS service	Standard
sgsn-gprs-bk	2G-imsi-identity-request-bk	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMSI in 2G service.	When the SGSN initiates an identity request to know the IMSI of the subscriber due to unknown local-PTMSI attach is received or GTP identity with Peer SGSN failed on a Peer SGSN PTMSI attach.	per GPRS service	Standard
sgsn-gprs-bk	2G-imsi-identity-response-bk	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMSI for 2G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMSI.	per GPRS service	Standard
sgsn-gprs-bk	2G-ms-init-detach-bk	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'GPRS Detach' received for 2G service.	When the MS initiates a Detach Request.	per GPRS service	Standard
sgsn-gprs-bk	2G-nw-init-detach-bk	INT32	Incremental	active	Total number of network initiated Detach Request procedures received for 2G service.	1) When a subscriber cleared by Administrator/operator. 2) When Cancel Location received from HLR. 3) When stand-alone Delete Subscriber Data is received with All GPRS Subscription withdrawn. 4) When subscriber-control-inactivity timer expires and action is to detach immediately.	per GPRS service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-ms-init-detach-accept-bk	INT32	Incremental	active	Total number of 2G service MS-initiated Detach Accept messages received by the SGSN and sent by the mobile station (MS) in response to network-initiated Detach Request messages.	When a Detach Accept is received from an MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-nw-init-detach-accept-bk	INT32	Incremental	active	Total number of Network initiated Detach Accept messages in response to requests of type 'Gprs Detach' in 2G service.	When the network accepts a detach initiated by the MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-actv-req-bk	INT32	Incremental	active	Total number of 2G Context Activation Request messages received and including both primary and secondary types.	Increments when: SGSN receives Activate PDP Context Request from an MS. SGSN receives Secondary Activate PDP Context Request from an MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-actv-accept-bk	INT32	Incremental	active	Total number of request messages accepted for 2G context activation including primary and/or secondary type.	When the SGSN sends Activate Accept or Activate Secondary Accept to the MS upon successful PDP Activation.	per GPRS service	Standard
sgsn-gprs-bk	2G-primary-actv-accept-bk	INT32	Incremental	active	Total number of requests accepted to activate primary PDP context for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-secondary-actv-accept-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-total-actv-reject-bk	INT32	Incremental	active	Total number of requests to activate PDP context (primary and secondary) rejected for 2G service.	When the SGSN sends Activate Reject or Activate Secondary Reject to the MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-primary-actv-reject-bk	INT32	Incremental	active	Total number of requests rejected to activate primary PDP context for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-secondary-actv-reject-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-gprs-bk	2G-actv-rej-odb-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-actv-rej-insufficient-resources-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to: Resource allocation failures (memory and GTP-C Teid and GTP-U Teid and etc.) in SGSN Incorrect information sent by GGSN in CPC response (PDP Type modified by GGSN and missing PDP IP address and etc.) SNDCP activation failure	When the SGSN sends Activate Reject for the above conditions.	per GPRS Service and RAI	Standard
sgsn-gprs-bk	2G-actv-rej-network-failure-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to network failure.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Network failure. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-missing-or-unknown-apn-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to APN related errors such as: APN not present in Activate Request but multiple subscription records exist DNS query fails for APN to GGSN resolution Missing/Unknown APN received from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-actv-rej-unknown-pdp-addr-type-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to PDP Address related errors such as: PDP Address requested in Activate Request but PDP Address Type not requested APN requested in Activate Request without PDP Address Type Unknown PDP Address or Type error received in Create Pdp Context Response from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-usr-auth-failed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to user authentication failure on GGSN.	When the SGSN receives Create PDP Context Response with authentication failure cause.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-by-ggsn-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service due to receiving Create PDP Context Response from GGSN with a cause of: Insufficient resources All Dynamic PDP address occupied	,When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-unspecified-error-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to: Receiving Create PDP Context Response from GGSN with a cause of system failure GGSN fails to respond to CPC Request SGSN triggers PDP deletion before receiving CPC response from GGSN HLR triggers PDP deletion before receiving CPC response (Delete Subscriber Data received from HLR for the PDP)	When the SGSN sends Activate Reject for the above conditions.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-service-not-supported-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as requested service is not supported.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-service-not-subscribed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as subscriber is not subscribed to requested service due to: APN selection failures such as: Requested APN/PDP-Type/PDP-Addr not matching the subscription. Wild card APN requested but multiple subscription records exist for the subscriber. APN Access denied and No subscription error was received in Create PDP Context Response from GGSN.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-rej-svc-opt-tmp-out-of-order-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-actv-rej-apn-restriction-incompatible-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected due to restriction of APN or incompatibility of APN for service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-actv-rej-semantically-incorrect-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to semantically incorrect IE message in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-invalid-mandatory-info-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to invalid mandatory IE in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-msg-type-non-existent-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-actv-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected upon receiving Create PDP Context Response from GGSN with a cause of Mandatory IE missing.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected due to conditional IE (Information Element) error in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-msg-not-compatible-with-prot-state-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected as message type is not compatible with protocol state.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-actv-rej-recovery-on-timer-expiry-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-actv-rej-prot-err-unspecified-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 2G service rejected upon receiving Create PDP Context Response from GGSN with a cause of unspecified protocol error.	When the SGSN sends Activate Reject for the above conditions.	per GPRS service and per RAI	Standard
sgsn-gprs-bk	2G-sec-actv-rej-odb-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-insufficient-resources-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-by-ggsn-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as request rejected by the GGSN.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-unspecified-error-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to error which is not specified in this table or unknown.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-service-not-supported-bk	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 2G service rejected as requested service is not supported.	When the SGSN sends Activate Secondary Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per GPRS service	Standard
sgsn-gprs-bk	2G-sec-actv-rej-service-not-subscribed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 2G service rejected as subscriber is not subscribed to requested service due to: APN Selection related errors such as: Activate PDP Request without PDP Address/Type and APN and and multiple subscription records present. Activate PDP Request with PDP Type (and address) and no matching subscription records for the PDP Type. Activate PDP Request with dynamic addressing but matching subscription records have static address. Create PDP Context Response from GGSN is received with error code Access denied and no subscription.	When the SGSN sends Activate Reject for all the above conditions.	per GPRS service	Standard
sgsn-gprs-bk	2G-sec-actv-rej-svc-opt-tmp-out-of-order-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-semantically-incorrect-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-invalid-mandatory-info-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-sec-actv-rej-msg-type-non-existent-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-msg-not-compat-prot-state-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-recovery-on-timer-expiry-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-prot-err-unspecified-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-semantic-error-tft-operation-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-syntax-err-in-tft-operation-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to syntax error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-unknown-pdp-context-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to unknown type of PDP context.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-semantic-err-in-pkt-filter-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-syntax-err-in-pkt-filter-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-pdp-notft-actv-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to TFT was not active.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-sec-actv-rej-coll-with-net-init-req-bk	INT32	Incremental	active	Total number of Activate Secondary Rejects sent with cause collision with network-initiated request against Activate Secondary Requests in a 2G network.	Increment when secondary activation fails because: the SGSN receives a bearer resource failure indication with egtp cause EGTP_CAUSE_COLLISION_WITH_NETWORK_INIT_REQUEST and and the SGSNsends Activate Secondary Reject and with cause collision with network-initiated request and to the UE.	per GPRS service	Standard
sgsn-gprs-bk	2G-total-actv-fail-bk	INT32	Incremental	active	Total number of PDP context activation (primary and secondary) failed for 2G service due to: GMM procedure collision Duplicate Activate Requests in non-active states (activation or deactivation in progress) Detach before activation is over Handoff to Peer before activation is over GTP Tunnel deletion in case of Second PDP Activations	When the SGSN drops PDP Activate Request for all the above conditions.	per GPRS service	Standard
sgsn-gprs-bk	2G-primary-actv-fail-bk	INT32	Incremental	active	Total number of Primary PDP Activation Requests dropped due to: GMM procedure collision. Duplicate Activate Requests in non-active states (activation or deactivation in progress). Detach before activation completes. Handoff to peer before activation completes.	When the SGSN drops the Primary PDP Activate Request for indicated condition.	per GPRS service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-secondary-actv-fail-bk	INT32	Incremental	active	New counter in release 9.0: Total number of Secondary PDP Activation Requests dropped due to: GMM procedure collision. Duplicate Activate Requests in non-active states (activation or deactivation in progress). Detach before activation completes. Handoff to peer before activation completes. GTP tunnel deletion.	When the SGSN drops the Secondary PDP Activate Request for indicated condition.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-actv-fail-gaurd-timer-expiry-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to SM Guard Timer Expiry.	When the SGSN drops PDP Activate Request due to SM Guard Timer Expiry.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-fail-duplicate-activation-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to an ongoing PDP Activation.	When the SGSN drops PDP Activate Request due to PDP Activation in progress.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-fail-other-ongoing-procedure-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to other ongoing procedures such as: (1) Activate Request during network initiated detach. (2) Page timer expiry while trying to send Activate Accept/Reject.	When the SGSN drops PDP Activate Request due to other ongoing procedures	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-fail-tunnel-deactivation-bk	INT32	Incremental	active	Total number of PDP Activation Requests that fail due to tunnel deactivation.	Not Defined	per GPRS Service and per NSEI	Standard
sgsn-gprs-bk	2G-actv-fail-handoff-before-activate-over-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to Handoff request from Peer SGSN for the subscriber.	When the SGSN drops PDP Activate Request due to Handoff request from Peer SGSN for the subscriber.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-fail-detach-before-activate-over-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to detach request while activation was in progress.	When the SGSN drops PDP Activate Request due to detach request while activation was in progress. SGSN for the subscriber.	per GPRS service	Standard
sgsn-gprs-bk	2G-actv-fail-phase-2-offload-bk	INT32	Incremental	active	This proprietary counter indicates the total number of PDP Activation failures due to Phase 2 offloading in 2G service. This statistics is specific to releases 8.1 and higher.	When PDP Activation fails due to Phase 2 offloading.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-actv-fail-invalid-msg-content-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to invalid information in activate request such as invalid Ti flag value	When the SGSN drops PDP Activate Request due to above condition	per GPRS service	Standard
sgsn-gprs-bk	2G-ms-modify-req-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests received for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-ms-modify-accept-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-ms-modify-rej-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-nw-modify-req-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests received for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-nw-modify-accept-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests accepted for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-nw-modify-rej-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests rejected for 2G service.	Not Defined	Not Defined	Standard
sgsn-gprs-bk	2G-ms-deactv-accept-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests sent to MS accepted for 2G service.	When the SGSN sends Deactivate Accept in response to MS initiated PDP deactivation.	per GPRS service	Standard
sgsn-gprs-bk	2G-ms-deactv-reject-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 2G service.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-gprs-bk	2G-hlr-init-deact-acc-bk	INT32	Incremental	active	Total number of HLR initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to HLR initiated Deactivation Request sent to MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-hlr-init-deact-rej-bk	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests for which Deactivation Accept has not been received in the 2G service.	When no response is received; i.e. and no Deactivate Accept received for the Deactivate Request the SGSN sent towards the MS due to HLR-initiated deactivation.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-sgsn-init-deact-acc-bk	INT32	Incremental	active	Total number of SGSN initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to SGSN initiated Deactivation Request sent to MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-sgsn-init-deact-rej-bk	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivations for which Deactivation Accept has not been received for the 2G service.	When there is no response; i.e. and no Deactivate Accept received for the Deactivate Request sent towards the MS because the deactivation was SGSN-initiated.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-ggsn-init-deact-acc-bk	INT32	Incremental	active	Total number of GGSN initiated PDP Context Deactivation Requests received from MS accepted for 2G service.	When the SGSN receives Deactivate Accept corresponding to GGSN initiated Deactivation Request sent to MS.	per GPRS service	Standard
sgsn-gprs-bk	2G-ggsn-init-deact-rej-bk	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests for which Deactivate Accept has not been received in the 2G service.	When no response is received; i.e and . no Deactivate Accept is received in for the Deactivate Request sent towards the MS due to GGSN-Initiated deactivation.	per GPRS service and per RA	Standard
sgsn-gprs-bk	2G-attach-fail-internal-failure-bk	INT32	Incremental	active	This counter tracks the total number of GPRS Attach failures due to Internal Failures.	Any one of the following: Invalid DB record. Attach Request PDU corruption. Application initiated abort on the attach procedure. Identity request sending failure from the stack. Failure in decoding the CLP from the PTMSI. Resource allocation failure. CLP recreation failing during the inter RAT.	per GPRS service	Standard
sgsn-iups-bk	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgsn-iups-bk	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the IUPS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgsn-iups-bk	servname	STRING	Primary-key	active	The name of the IUPS service for which these statistics are being displayed.	Configuration	Per IUPS Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attached-bk	INT32	Incremental	active	Total number of subscribers and including home and visiting and attached for 3G service.	1) When a subscriber attaches to the SGSN. 2) Decrements when a subscriber detaches from the SGSN.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-home-subscribers-bk	INT32	Incremental	active	Indicates the total number of home subscribers attached for 3G service; where home means the MCC and MNC of the IMSI are equal to the SGSN PLMN ID.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-visiting-national-bk	INT32	Incremental	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC (from IMSI) matches with SGSN service's MCC and but MNC is different from the SGSN service's MNC for 3G service.	1) When a national subscriber attaches to the SGSN. 2) Decrements when a national subscriber detaches from the SGSN.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-visiting-foreign-bk	INT32	Incremental	active	This proprietary gauge indicates the total number of attached subscribers (active and standby) whose MCC/MNC (from IMSI) does not match with the PLMN of the 3G SGSN service.	1) When a foreign subscriber attaches to the SGSN. 2) Decrements when a foreign subscriber detaches from the SGSN.	per GPRS service; per RA	Standard
sgsn-iups-bk	3G-attached-with-pdp-bk	INT32	Incremental	active	Total number of 3G visiting and home subscribers in attached state with at least one active PDP context.	This gauge changes after successful activation of the first PDP context for a subscriber.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-total-num-actv-pdp-bk	INT32	Incremental	active	Total number of active PDP context (primary and secondary type) for 3G service in SGSN.	1) When the context is completely active in the SGSN. 2) Decrements when the context is deleted from the SGSN.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-total-num-actv-pdp-on-s4-bk	INT32	Incremental	active	The number of 2G PDP contexts activated via S4 interface.	If S4 interface is chosen for a subscriber and this counter is incremented during PDP activation. If S4 interface is chosen for a subscriber and this counter is decreased upon PDP deactivation.	per SGSN Service	Standard
sgsn-iups-bk	3G-total-attach-req-bk	INT32	Incremental	active	Total number of 3G IMSI-Attach and P-TMSI-Attach Requests (local and foreign) received by the SGSN from the UE.	Increments each time the SGSN receives an Attach attempt in the form of an IMSI or P-TMSI Attach Request.	per SGSN service	Standard
sgsn-iups-bk	3G-attach-req-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-imsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-imsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-local-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-local-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-remote-ptmsi-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-req-remote-ptmsi-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-accept-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-accept-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attach-reject-bk	INT32	Incremental	active	Total number of Attach Rejects sent with individual causes against Attach Request of type GPRS Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-reject-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-reject-comb-bk	INT32	Incremental	active	Sum of all Attach-Reject counters with individual causes sent against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-imsi-unknown-at-hlr-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause imsi unknown at hlr against Attach requests of type GPRS Attach in 3G service.	Counter When - the HLR sends a bad response to an SAI-Req or a GLU-Req and or - the SGSN gets zero authentication vectors from the HLR for a SAI-Req and or - when an operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-illegal-ms-bk	INT32	Incremental	active	This stat currently not pegged -- for future use.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-attach-rej-illegal-me-bk	INT32	Incremental	active	Total number of 3G Attaches rejected when UE with prohibited IMEI tries to Attach to the SGSN. Attach is rejected by the SGSN after the EIR indicates that the subscriber is invalid.	SGSN rejects Attach because the subscriber's UE IMEI is prohibited and rejected by the EIR.	per SGSN service	Standard
sgsn-iups-bk	3G-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting a cl (subs-with) while a RAU/attach is in progress. - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req. - for rejecting attaches due to subscriber control inactivity. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-gprs-and-non-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS Services not allowed against Attach requests of type GPRS Attach in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attach-rej-msid-not-derived-by-nwt-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msid not derived by nwt against Attach Requests of type GPRS Attach in 3G service.	Counter increments - on getting periodic RAU with old RAI as a non-local RAI. - when PTMSI-IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs. - when getting a RAU with old RAI in 2G and PTMSI is unknown. - when getting PTMSI-SIG-MISMATCH SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of Attach Requests rejected with cause implicitly detached against Attach requests of type GPRS Attach in 3G service.	Increment - PTMSI unavailable during Attach - Call control profile configured to restrict attaches (attach restrict command). - CAMEL subscription check failed. - Attach Reject due to ARD restriction (Configurable with call-control-profile). - Iu released before Attach Accept sent to the MS. - Attach Reject sent for a subscriber already in 3G when 2G Attach is received. While 2G Attach trying to process if Cancel-Location or DSD received in 3G and 2G Attach is rejected with cause 'Implicitly-Detached'.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause plmn not allowed against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-la-not-allowed-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-roaming-not-allowed-in-this-location-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in this Location Area against Attach Requests of type GPRS Attach in 3G service.	1) When rejecting as a shared SGSN as operator not accepting the given IMSI. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-gprs-service-not-allowed-in-this-plmn-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed in this PLMN against Attach Requests of type GPRS Attach in 3G service.	1) On getting Roaming Not allowed from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-no-suitable-cells-in-location-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cell in location area against Attach requests of type GPRS Attach in 3G service.	1) On getting UMTS Access Control from HLR for SAI-Req/GLU-Req. 2) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type GPRS Attach in 3G service.	1) RNC is overloaded. 2) Not enough credits at session manager. 3) On getting cause data missing from HLR in SAI-Req/GLU-Req. 4) Too many IU's for the same IMSI. 5) On congestion and if configured for attach-throttling. 6) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-no-data-from-hlr-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR related GLU/SAI failure causes.	When SGSN receives failure response from the HLR	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-congestion-thrtl-bk	INT32	Incremental	active	This proprietary counter tracks the total number of network overload protection Rejects received by the SGSN. Throttling is enabled and to avoid congestion and via the configuration on SGSN.	Whenever throttling and due to overload protection configuration and occurs.	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-opr-policy-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Attach Rejects (for GPRS) due to configured operator policy restrictions and such as Inter-RAT restrictions.	Whenever the configured operator policy restrictions are applied.	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-check-imei-timeout-eir-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to timeout for the Check-IMEI response from the EIR.	Whenever timeout occurs for the Check-IMEI response from the EIR.	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-rnc-ovld-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects for new Iu due to RNC overload.	When SGSN receives RNC overload indication.	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-more-ius-same-imsi-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages and sent by the SGSN and with cause 'Network Failure' and which were due to too many IUs Attaches at one time.	When there are too many 3G Attaches.	per GPRS service	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-no-resource-intl-failure-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages and sent by the SGSN and with cause 'Network Failure' and which were due to internal failure.	Insufficient resources and SessMgr is recovering or terminating.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attach-rej-network-failure-ext-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to external triggers with cause network failure.	Counter When on of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions. MS has too many Ius. RNC overloaded.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-network-failure-int-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Rejects due to internal triggers with cause network failure.	Session Manager is out of credits.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-mac-failure-bk	INT32	Incremental	active	Total number of GPRS Attach Rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-attach-rej-sync-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause sync failure against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-congestion-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach Request of type GPRS Attach in a 3G service.	Increments - on congestion and if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause gsm auth unacceptable against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-no-pdp-ctx-activated-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause no pdp ctx activated against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause retry from new cell against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause sem wrong msg against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-invalid-mand-info-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause invalid mand info against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-msg-type-not-exist-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not exist against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attach-rej-msg-type-not-comp-prot-state-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg type not comp prot state against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause ie non existent against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause conditional ie err against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an appropriate decode error. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-msg-not-comp-prot-state-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause msg not comp prot state against Attach Requests of type GPRS Attach in 3G service.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS. - when getting periodic RAU in a direct transfer message. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-protocol-error-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol error against Attach Requests of type GPRS Attach in 3G service.	Increments When getting an appropriate decode error. When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-rej-unknown-cause-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause unknown cause against Attach Requests of type GPRS Attach in 3G service.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-imsi-unknown-at-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to IMSI not known at HLR.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-attach-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-attach-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-gprs-service-not-allowed-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	1) On getting a cl (subs-with) while a RAU/attach is in progress. 2) On getting Subscriber Unknown failure from hlr for glu/sai-req. 3) For rejecting attaches due to subscriber-control-inactivity. 4) When operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-gprs-and-non-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS and non-GPRS services not allowed against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	- on getting Imsi unknown from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-msid-not-derived-by-nwt-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as network failed to derive MSID from request message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-attach-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Requests rejected for 3G service as subscriber implicitly detached from network.	Increment - PTMSI unavailable during Attach. - Call control profile configured to restrict attaches (attach restrict command). - CAMEL subscription check failed. - Attach Reject due to ARD restriction. - Iu released before Attach Accept sent to the MS. - Attach Reject sent for a subscriber already in 2G and but Cancel-location or DSD received in 2G while processing 3G Attach.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-attach-rej-la-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-roam-not-allow-in-loc-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Roaming not allowed in LA against attached request of type Combined GPRS/IMSI Attach in 3G service.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-gprs-svc-not-allow-in-plmn-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause GPRS Service Not Allowed in PLMN against Attach Requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-no-suitable-cells-in-loc-area-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause No suitable cells in LA against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting UMTS access control from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-attach-rej-network-failure-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Network Failure against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on getting cause data missing from HLR in SAI-Req/GLU-Req. - on XID failure for RAU. - inability to send an SGSN-CTX-Req out for an RAU. - inability to send a Check-IMEI Request out. - on congestion and if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-no-data-from-hlr-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects due to the HLR related GLU/SAI failure causes.	Failure response from HLR for combined GPRS/IMSI Attach.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-congestion-thrtl-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects due to network overload protection configuration. Throttling is enabled and via SGSN configuration and to avoid congestion.	Throttling of Attach (for combined GPRS/IMSI Attach) occurs due to overload protection configuration.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-opr-policy-failure-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Attach Rejects (for combined GPRS/IMSI) due to the configured operator policy restrictions.	Whenever operator policy restrictions and such as Inter-RAT restrictions and are applied.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-check-imei-timeout-eir-bk	INT32	Incremental	active	Th is proprietary counter tracks the total number of Rejects that are due to timeout for the Check-IMEI Response from the EIR	Timeout for the Check-IMEI Response and from the EIR and for combined GPRS/IMSI.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-rnc-ovld-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Rejects for new IU (combined GPRS/IMSI Attach) due to RNC overload.	When SGSN receives RNC overload indication for combined GPRS/IMSI.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-more-ius-same-imsi-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Reject messages and sent by the SGSN and with cause of too many IUs due to combined GPRS/IMSI Attaches.	Too many 3G Attaches attempted.	per GPRS service	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-no-resource-intl-fail-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-ext-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to external triggers with cause network failure.	Counter When on of the following occurs: Throttling due to congestion. Data missing from HLR. SAI response timeout. UGL response timeout. Check IMEI response timeout from EIR. Operator policy restrictions. MS has too many Ius. RNC overloaded.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-network-failure-int-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Rejects due to internal triggers with cause network failure.	Session Manager is out of credits.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-mac-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-attach-rej-sync-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) Attach Rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-attach-rej-congestion-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause Congestion against Attach requests of type Combined GPRS/IMSI Attach in 3G service.	Increments - on congestion and if configured for attach-throttling. - when operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-protocol-error-bk	INT32	Incremental	active	Total number of Attach Rejects sent with cause protocol-error against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-attach-rej-unknown-cause-bk	INT32	Incremental	active	Total number of Attach Rejects sent with any cause other than those captured in stats already listed against Attach Requests of type Combined GPRS/IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-fail-iu_release-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-fail-iu_release-external-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	The counter When any one of the following occurs: Iu Release request from RNC before attach complete. RAI deletion form the configuration. RNC deletion from the configuration. Identity response(for IMSI or IMEI) timeout. Authentication response timeout. Detach request from MS during attach procedure. Security mode control failure due to RNC. Inter RAT to 2G before during attach procedure. Outbound inter SGSN RAU during attach procedure. Attaching to multiple IUPS services.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-fail-iu_release-internal-bk	INT32	Incremental	active	This proprietary counter tracks the total number of GPRS Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-fail-ongoing-proc-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-attach-fail-iu_release-comb-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) attach procedures failed due to Iu released for 3G service.	Not Defined	Nothing	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-attach-fail-iu_release-comb-external-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Failures due to the Iu being released before the Attach complete due to external triggers in the 3G service.	The counter When any one of the following occurs: Iu Release request from RNC before attach complete. RAI deletion form the configuration. RNC deletion from the configuration. Identity response(for IMSI or IMEI) timeout. Authentication response timeout. Detach request from MS during attach procedure. Security mode control failure due to RNC. Inter RAT to 2G before during attach procedure. Outbound inter SGSN RAU during attach procedure. Attaching to multiple IUPS services.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-fail-iu_release-comb-internal-bk	INT32	Incremental	active	This proprietary counter tracks the total number of COMBO Attach Failures due to the Iu being released before the Attach complete due to internal triggers in the 3G service.	No internal triggers at this time - this statistic is a placeholder for future development.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-attach-fail-ongoing-proc-comb-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) attach procedures failed due to on going attach procedures for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-total-attach-fail-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-total-attach-fail-comb-bk	INT32	Incremental	active	Total number of Attach Requests of type Combined GPRS/IMSI Attach that were dropped from processing in 3G service.	When - another Attach and differing from this Attach and was received and pre-empted existing Attach procedure. - Iu released while the Attach procedure was in progress.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-total-attach-fail-all-bk	INT32	Incremental	active	Sum of 3G-total-attach-fail + 3G-total-attach-fail-comb.	n/a	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-rau-bk	INT32	Incremental	active	Total number of 3G Intra-SGSN RAU messages received from UEs.	Increments when the UE has moved to a new RA/BSC that is attached to this SGSN (the same SGSN).	per SGSN service	Standard
sgsn-iups-bk	3G-intra-comb-rau-bk	INT32	Incremental	active	Total number of intra SGSN combined (GPRS and IMSI) routing area updates received for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-periodic-rau-bk	INT32	Incremental	active	Total number of periodic routing area updates received for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-inter-sgsn-rau-bk	INT32	Incremental	active	Total number of times the SGSN receives 3G Inter-SGSN RAUs from UEs.	Increments for Inter-SGSN RAU and so when the UE and attached to some other SGSN and performs a RAU to this SGSN.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-sgsn-comb-rau-bk	INT32	Incremental	active	Total combined (GPRS and IMSI) inter-SGSN-RA update request messages for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-rau-accept-intra-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-rau-accept-intra-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-rau-accept-periodic-bk	INT32	Incremental	active	Sum of all RAU-Accepts sent against intra-SGSN-RAU requests of type Periodic Updating with update type RA updating in 3G service.	Increments on sending a successful RAU-Accept with update-result Periodic Updating.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-rau-accept-inter-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-rau-accept-inter-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-rau-complete-bk	INT32	Incremental	active	Total number of routing area update complete messages for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-reject-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-intra-rau-reject-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-periodic-rau-reject-bk	INT32	Incremental	active	Sum of all RAU-reject counters with individual causes against intra-SGSN-RAU requests of type Periodic RA Updating in 3G service.	A derived Counter See individual counters for trigger points.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-reject-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-inter-rau-reject-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-intra-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-illegal-me-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-gprs-svc-not-allw-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-loc-area-not-allow-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-roam-not-allow-larea-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-gprs-svc-not-allow-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-rau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network failure.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-intra-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-congestion-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-msg-incompat-prot-state-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of intra-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-illegal-me-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-intra-prau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to GPRS service not allowed in specific PLMN.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type periodic updating and for 3G service that were rejected with reject messages sent with a cause of No Suitable Cells In Location Area.	Increments: - upon receiving a UMTS access control message from a Siemens HLR for a sai-req (service area identify request). - when an operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-prau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type periodic updating and for 3G service that were rejected where rau-reject messages were sent with a cause of MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-prau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 3G service that were rejected where the rau-reject message was sent with a cause Network Failure	Increments : - if RNC is overloaded. - if not enough credits at session manager. - upon receiving sai-request with cause of data missing from hlr . - if there are too many IU's for the same subscriber. - upon receiving RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-prau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 3G service that were rejected where the rau-reject message was sent with a cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-prau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests and of type period updating and for 3G service that were rejected where the rau-reject message was sent with a cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-prau-rej-congestion-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-intra-prau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-msg-incompat-pstate-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-prot-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-intra-prau-rej-unknown-error-bk	INT32	Incremental	active	Total number of periodic intra-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to network failed to derive MSID from attach message.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to implicitly detach.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to specific PLMN not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to specific location area not allowed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to roaming not allowed in specific location area.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against intra-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increment - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-no-cells-in-loc-area-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause No Suitable Cells In Location Area.	Increments: - upon receiving UMTS access control for the SAI-Request from the Siemens HLR. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MSC temporarily not reachable.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MSC temporarily not reachable.	Increments: - if the RNC is overloaded. - if there is not enough credits at session manager. - upon receiving cause data missing from hlr in the SAI-request. - if there are too many IU's for the same subscriber. - upon receiving an RAU with a peer-sgsn P-TMSI when another attach is ongoing with the same P-TMSI. - when the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause MAC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of intra-SGSN RAU requests for 3G service and of type Combined RA/LA update or Combined RA/LA update with IMSI Attach and sent with cause SYNC Failure.	When the operator policy is configured with this value as the reject cause for RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-rau-rej-congestion-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-msg-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-inter-rau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause imsi-unknown-in-hlr against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on HLR sending a bad response to an SAI-Req or a GLU-Req. - on receiving zero (0) authorization vectors for HLR for SAI-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-inter-rau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-ms against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when an Xres mismatch and followed by identity procedure and results in same IMSI. - upon receiving a bad identity-type for an Identity Request (type IMSI) that was initiated after an Xres mismatch. - after a security command failure. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-illegal-me-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause illegal-me against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when unable to retrieve IMEI/IMEISV from the ms. - upon failure of IMEI verification with the EIR. - upon getting unknown equipment failure from EIR/HLR. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause gprs-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon receiving a cl(subs-with) while a RAU/Attach is in progress. - upon receiving Subscriber Unknown failure from the HLR for GLU/SAI-Req. - after rejecting attaches due to subscriber-control-inactivity. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause nongrps-svc-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon receiving IMSI-Unknown from HLR in response to SAI-Req/GLU-Req. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-inter-rau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when PTMSI IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xFFFE) for P-TMSI-attaches/RAU. - when getting a RAU with old RAI in 2G and and P-TMSI is unknown. - when getting P-TMSI-SIG-MISMATCH for an SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-P-TMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause implicitly-detach against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - upon RAU at 3G when subscriber was detached from 2G. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs. - when SGSN receives a different IMSI in an SGSN-Ctx-Rsp for an SGSN-Ctx-Req sent with IMSI-validated. - when SGSN gets RAU while awaiting Detach-Accept.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause plmn-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU requests of type RA Updating in 3G service.	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause roam-not-allowed-in-location-area against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when rejecting as a shared-SGSN because no operator accepts the given IMSI. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in this PLMN against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-inter-rau-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause no-cells-in-location-area against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on getting UMTS access control from a Siemens HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msc-not-reachable against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on sending an Attach/RAU Accept with cause GPRS only attached or RA Updated for a combined CS/PS request either because: request timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-network-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause network-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When - RNC is overloaded. - not enough credits with Session Manager. - on receiving cause data missing from HLR in SAI-Req/GLU-Req. - when there are too many Ius for the same IMSI. - when getting a RAU with a peer-SGSN PTMSI when another Attach is ongoing with the same PTMSI. - on congestion and when configured for attach-throttling. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-mac-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause mac-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-syn-failure-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause syn-failure against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-congestion-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause congestion against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause gsm-auth-unacceptable against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause no-pdp-ctx-actvated against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-inter-rau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause retry-from-new-cell against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause sem-wrong-msg against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause invalid-mandatory-info against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-doesn't-exist against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-type-incompatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause ie-non-existent against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause cond-ie-error against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - on decode failure of messages. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause msg-not-compatible-with-protocol-state against inter-SGSN-RAU requests of type RA Updating in 3G service.	Increments - when SGSN receives an Attach-Request before getting a Relocation-Complete during SRNS - when SGSN gets periodic RAU in a Dir-Transfer message. - when the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-rau-rej-prot-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause protocol-error against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-inter-rau-rej-unknown-error-bk	INT32	Incremental	active	Total number of RAU rejects sent with any cause and other than those listed above and against inter-SGSN-RAU requests of type RA Updating in 3G service.	When the operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to unknown IMSI in HLR.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-illegal-ms-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to illegal mobile subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-illegal-me-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to illegal mobile equipment.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause GPRS services not allowed in this PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to GPRS and non-GPRS service not allowed for subscriber.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of inter-SGSN routing area update request rejects sent with cause MSID not derived by network against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - when PTMSI IE is missing in RAU. - when old RAI has invalid location area values (0x0000 or 0xFFFE) for P-TMSI-attaches/RAU. - when getting a RAU with old RAI in 2G and and P-TMSI is unknown. - when getting P-TMSI-SIG-MISMATCH for an SGSN Context Request sent with IMSI Validated. - when getting a RAU Request while an attach with the same peer-SGSN-P-TMSI is in progress. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause implicitly-detach against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	Increments - when RAU at 3G subscriber was detached from 2G. - when the SGSN receives a different IMSI in an SGSN-CTX-RSP for an SGSN-CTX-REQ sent with IMSI-validated. - when the SGSN receives RAU while awaiting Detach-Accept. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-irau-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause plmn-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause loc-area-not-allowed against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	When an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of RAU Rejects sent with cause roaming-not-allowed-in-location-area against inter-SGSN-RAU Requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in the 3G service	Increments - when rejecting as a shared SGSN because no operator is accepting the provided IMSI. - when an operator policy is configured with this value as the reject cause for Attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of RAU rejects sent with cause GPRS service not allowed in PLMN against inter-SGSN-RAU requests of type Combined RA/LA update or Combined RA/LA update with IMSI Attach in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req. - when operator policy is configured with this value as the reject cause for attaches/RAUs.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-comb-irau-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non availability of suitable cell in specific location area.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as MSC not reachable.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-network-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to network failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-mac-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to message authenticate code (MAC) failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-syn-failure-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to context synchronization failure.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-congestion-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to network congestion.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to unacceptable authentication from GSM network.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as PDP context is not activated.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as subscriber retried for update from new cell.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as Attach Request message is semantically wrong.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as mandatory information in message is invalid.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-comb-irau-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-prot-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service due to protocol error in message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-comb-irau-rej-unknown-error-bk	INT32	Incremental	active	Total number of combined (GPRS and IMSI) inter-SGSN routing area update requests rejected for 3G service where cause is unknown or not specified here.	Not Defined	Not Defined	Standard
sgsn-iups-bk	ps-inter-rat-rau-3g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	comb-inter-rat-rau-3g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Requests received in a 3G service from a 2G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	ps-inter-rat-rau-acc-3g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	comb-inter-rat-rau-acc-3g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Accepts sent against RAU Requests from subscribers moving from a 2G service to a 3G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	ps-inter-rat-rau-rej-3g-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 2G service to a 3G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	comb-inter-rat-rau-rej-3g-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects sent against RAU Requests for subscribers moving from 2G service to a 3G service.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	ps-inter-rat-rau-fail-3g-bk	INT32	Incremental	active	Total number of failures in GPRS-only inter-RAT RAU procedures initiated by subscribers moving from 2G services to 3G services.	When a GPRS-only RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 2G to 3G.	per RA and per SGSN service	Standard
sgsn-iups-bk	comb-inter-rat-rau-fail-3g-bk	INT32	Incremental	active	Total number of failures in combined inter-RAT RAU procedures initiated by subscribers moving from 2G services to a 3G service.	When a combined RAU procedure is dropped without a RAU Reject on an intra-SGSN inter-RAT RAU from 2G to 3G.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-ps-rej-illegal-ms-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Illegal MS.	Increments - on HLR sending a bad response to SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-illegal-me-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Illegal ME.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of GPRS only Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-ps-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of GPRS only inter-service routing area update request rejects sent with cause MSID not derived by network against inter-Service-RAU requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - for RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-ps-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of GPRS only RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-network-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Network Failure.	Increments - if RNC is overloaded - when not enough credits available at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many IUs for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-mac-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-syn-failure-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-ps-rej-congestion-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-ps-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-prot-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-ps-rej-unknown-error-bk	INT32	Incremental	active	Total number of GPRS only Inter RAT RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-imsi-unknown-hlr-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause IMSI unknown at HLR.	Increments - on HLR sending a bad response to a SAI-Req/GLU-Req - on getting zero auth vectors for HLR for a SAI-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-illegal-ms-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Illegal MS.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-illegal-me-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause Illegal ME.	Increments - when unable to retrieve IMEI/IMEISV from MS - on IMEI verification failure with EIR - on getting unknown equipment failure from EIR/HLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-gprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS services not allowed in this PLMN against Inter-service-RAU Requests in 3G service.	Increments - on getting a cl (subs-with) while an attach/RAU is in progress - on getting Subscriber Unknown failure from HLR for SAI-Req/GLU-Req - for rejecting attaches due to subscriber control inactivity - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-comb-rej-nongprs-svc-not-allow-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Rejects sent with cause GPRS and non-GPRS service not allowed for subscriber against Inter-service-RAU Requests in 3G service.	Increments - on getting IMSI unknown from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-msid-not-derived-by-nw-bk	INT32	Incremental	active	Total number of Combined Inter Service RAU Request Rejects sent with cause MSID not derived by network against inter-Service-RAU Requests in 3G service.	Increments - on getting periodic RAU with old RAI as a non-local RAI - when PTMSI-IE is missing in RAU - when old RAI has invalid location area values (0x0000 or 0xfffe) for PTMSI-attaches/RAUs - when getting a RAU with old RAI in 2G and PTMSI is unknown - when getting PTMSI-SIG-MISMATCH for a SGSN Context Request sent with IMSI Validated - when getting a RAU Request while an attach with the same peer-SGSN-PTMSI is in progress - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-implicitly-detach-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Implicitly detached.	Increments - if RAU at 3G when subscriber was detached from 2G - when we get a different IMSI in SGSN Context Response for an SGSN Context Request sent with IMSI validated - when we get RAU while awaiting a Detach Accept - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-plmn-not-allowed-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause PLMN not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-loc-area-not-allowed-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Location area not allowed.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-roam-not-allowed-larea-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Roaming area not allowed in the given location area.	Increments - when rejecting as a shared SGSN due to no operator accepting the given IMSI - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-comb-rej-gprs-svc-not-allowed-plmn-bk	INT32	Incremental	active	Total number of Combined RAU Rejects sent with cause GPRS service not allowed in this PLMN against inter-Service-RAU Requests in 3G service.	Increments - on getting Roaming not allowed from HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-no-cells-in-location-area-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause No cells in location area.	Increments - on getting UMTS access control from Siemens HLR for SAI-Req/GLU-Req - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-msc-not-reachable-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU rejects in 3G service with cause MSC not reachable.	Increments - on sending an attach/RAU Accept with cause GPRS only attached or RA updated for a combined CS/PS request either because: the request is timed out inability to send to VLR - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-network-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Network Failure.	Increments - if RNC is overloaded - when there are not enough credits at session manager - on getting cause data missing from HLR in SAI-Req/GLU-Req - when there are too many Ius for the same IMSI - on getting a RAU with a peer SGSN PTMSI when another Attach is ongoing with the same PTMSI - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-mac-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message Authenticate Code (MAC) Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-syn-failure-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Context Synchronization Failure.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-comb-rej-congestion-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Network Congestion.	Increments - on congestion and if configured for attach-throttling - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-gsm-auth-unacceptable-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause GSM Authentication unacceptable.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-no-pdp-ctx-actv-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause PDP context not activated.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-retry-from-new-cell-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Subscriber retried from a new cell.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-sem-wrong-msg-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Semantically wrong message.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-inval-mand-info-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Invalid Mandatory Info.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-msg-type-non-exist-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message type does not exist.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-mtype-incompat-pstate-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Message type not compatible with protocol state.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause Information element not existent.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-cond-ie-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause error in conditional informational element.	Increments - on decode failure of messages - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-irat-comb-rej-msg-not-compat-pstate-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause message not compatible with protocol state.	Increments - when getting an Attach Request before getting Relocation-complete during SRNS - when getting periodic RAU in a direct transfer message - when operator policy is configured with this value as the reject cause for attaches/RAUs	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-prot-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause protocol error.	When operator policy is configured with this value as the reject cause for attaches/RAUs.	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-irat-comb-rej-unknown-error-bk	INT32	Incremental	active	Total number of Combined Inter RAT RAU Rejects in 3G service with cause unknown error.	Not Defined	per RA and per SGSN service	Standard
sgsn-iups-bk	3G-intra-rau-failure-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-intra-rau-failure-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-periodic-rau-failure-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-inter-rau-failure-gprs-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-inter-rau-failure-comb-bk	INT32	Incremental	active	Not Available	Not Available	Not Available	Standard
sgsn-iups-bk	3G-intra-ra-upd-rau-fail-iu_release-bk	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 3G service due to Iu released.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-intra-ra-upd-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of intra-SGSN routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-intra-comb-rau-fail-iu_release-bk	INT32	Incremental	active	Total number of combined RAUs dropped from processing as the Iu (in which the RAU came) was released. This counter is new in release 9.0.	When the Iu releases during an ongoing RAU.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-comb-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of combined RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-intra-perio-rau-fail-iu_release-bk	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 3G service due Iu released.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-intra-perio-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of intra-SGSN periodic routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-fail-iu_release-bk	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 3G service due Iu released.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-inter-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of inter-SGSN periodic routing area updates failed for 3G service due ongoing procedures.	Not Defined	per SGSN service	Standard
sgsn-iups-bk	3G-inter-comb-rau-fail-iu_release-bk	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as the Iu (in which the RAU came) was released. This counter is new in release 9.0.	When the Iu releases during an ongoing RAU.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-inter-comb-rau-fail-ongoing-proc-bk	INT32	Incremental	active	Total number of combined inter-SGSN RAUs dropped from processing as another RAU/Attach/Detach was received. This counter is new in release 9.0.	When another Attach/RAU/Detach is received.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-paging-request-bk	INT32	Incremental	active	Total number of 3G service Paging Request messages originated by SGSN and sent to the Radio Network Controller (RNC) to contact mobile stations (MS).	1) Subscriber is in standby state and SGSN has some downlink signalling activity to do for network initiated detach procedure or downlink SM-messages (like modify-PDP-Request) to be sent. 2) Downlink data is to be sent to a standby subscriber	per SGSN service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-paging-success-bk	INT32	Incremental	active	Total number of successful paging responses in 3G service.	Any successful Iu passing security started after Paging is started.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-auth-cipher-response-bk	INT32	Incremental	active	Total authentication and ciphering request response messages for 3G service.	Whenever the MS sends a authentication and cipher response message.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-auth-cipher-request-bk	INT32	Incremental	active	Total authentication and ciphering request messages for 3G service.	Whenever authentication procedure is initiated.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-auth-cipher-mac-fail-bk	INT32	Incremental	active	Total authentication and ciphering failed due to message authentication code (MAC) failure in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-auth-cipher-syn-fail-bk	INT32	Incremental	active	Total number of authentication and cipher procedure failures messages received with cause SYNC failure in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-auth-unacceptable-bk	INT32	Incremental	active	Total number of authentication and cipher procedure fail messages received with cause authentication unacceptable in 3G service.	When a authorization and cipher failure message is received with this cause.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-imsi-identity-request-bk	INT32	Incremental	active	Total number of identity request messages sent with identity type as IMSI in 3G service.	When the SGSN initiates a Identity request to know the IMSI of the subscriber. This is done when: - Unknown local P-TMSI attach is received. - GTP-Identity with peer SGSN failed on a peer SGSN P-TMSI attach. - Authenticate response X-RES mismatch and the IMSI was not ascertained from the MS itself. - On a MAC failure and the IMSI was not ascertained from the MS itself.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-imsi-identity-response-bk	INT32	Incremental	active	Total number of identity response messages received with MS identity of type IMSI for 3G service.	When the SGSN receives an Identity response initiated to an identity request initiated of identity type IMSI.	per SGSN service and per RA	Standard
sgsn-iups-bk	new-connection-rejected-overload-bk	INT32	Incremental	active	This proprietary counter indicates the total number of new connection (inter-SGSN RAU and/or Attach) requests that were rejected due to an overload situation.	1) A congestion control mechanism is configured so that any new connection request received and that goes beyond the set threshold and will be rejected. 2) A network overload control feature is enabled and configured to accept new connections only at a defined rate. Incoming requests are buffered in a queue. When the queue is full additional requests can be rejected.	per SGSN Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	exist-conn-proc-rej-overload-bk	INT32	Incremental	active	This proprietary counter indicates the total number of ongoing procedures rejected or skipped due to an overload indication received from the RNCs. When an overload indication is received from an RNC and the SGSN can reduce the signaling load on the RNC by doing one or more of the following: - dropping attaches and - dropping service requests for data and - skipping PTMSI reallocation and - skipping authentication The preferred action is configurable.	Counter When connection is dropped due to overload.	per SGSN	Standard
sgsn-iups-bk	3G-ms-init-detach-bk	INT32	Incremental	active	Total number of MS initiated Detach Requests of type 'GPRS Detach' received for 3G service.	When the MS initiates a Detach Request.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-nw-init-detach-bk	INT32	Incremental	active	Total number of network initiated Detach Request procedures sent for 3G service.	1) When a subscriber cleared by Administrator/operator. 2) When Cancel Location received from HLR. 3) When stand-alone Delete Subscriber Data is received with All GPRS Subscription withdrawn. 4) When subscriber-control-inactivity timer expires and action is to detach immediately.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-ms-init-detach-accept-bk	INT32	Incremental	active	Total number of 3G service MS-initiated Detach Accept messages received by the SGSN and sent by the mobile station (MS) in response to network-initiated Detach Request messages.	When a Detach Accept is received from an MS.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-nw-init-detach-accept-bk	INT32	Incremental	active	Total number of Network initiated Detach Accept messages in response to requests of type 'Gprs Detach' in 3G service.	When the network accepts a detach initiated by the MS.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-total-actv-req-bk	INT32	Incremental	active	Total number of 3G Context Activation Request messages received and including both primary and secondary types.	Increments when: SGSN receives Activate PDP Context Request from an MS. SGSN receives Secondary Activate PDP Context Request from an MS.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-total-actv-accept-bk	INT32	Incremental	active	Total number of request messages accepted for 3G context activation including primary and secondary type.	When the SGSN sends Activate Accept or Activate Secondary Accept to the MS upon successful PDP Activation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-primary-actv-accept-bk	INT32	Incremental	active	Total number of requests accepted to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-secondary-actv-acc-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service accepted.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-total-actv-reject-bk	INT32	Incremental	active	Total number of requests to activate PDP context (primary and secondary) rejected for 3G service.	When the SGSN sends Activate Reject or Activate Secondary Reject to the MS.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-primary-actv-reject-bk	INT32	Incremental	active	Total number of requests rejected to activate primary PDP context for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-secondary-actv-rej-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-rej-odb-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-actv-rej-insufficient-resources-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to one of the following: Resource allocation failures (memory and GTP-C Teid and GTP-U Teid and etc.) in SGSN Incorrect information sent by GGSN in CPC response (PDP Type modified by GGSN and missing PDP IP address and etc. SNDCP activation failure	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-insufficient-resources-int-bk	INT32	Incremental	active	This proprietary counter tracks the total number of Primary PDP Activation Rejects, with 'insufficient resources' as cause, due to internal triggers.	SGSN has no memory to process the activation procedure.	per SGSN service, per RA	Standard
sgsn-iups-bk	3G-actv-rej-network-failure-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to network failure.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Network failure. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-missing-or-unknown-apn-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to APN related errors such as: APN not present in Activate Request but multiple subscription records exist DNS query fails for APN to GGSN resolution Missing/Unknown APN received from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-unknown-pdp-addr-type-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to PDP Address related errors such as: PDP Address requested in Activate Request but PDP Address Type not requested APN requested in Activate Request without PDP Address Type Unknown PDP Address or Type error received in Create PDP Context Response from GGSN	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-usr-auth-failed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to user authentication failure on GGSN.	When the SGSN receives Create PDP Context Response with authentication failure cause.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-by-ggsn-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service due to receiving Create PDP Context Response from GGSN with a cause of: Insufficient resources All Dynamic PDP address occupied	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-rej-unspecified-error-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to: Receiving Create PDP Context Response from GGSN with a cause of system failure GGSN fails to respond to CPC Request SGSN triggers PDP deletion before receiving CPC response from GGSN HLR triggers PDP deletion before receiving CPC response (Delete Subscriber Data received from HLR for the PDP)	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-actv-rej-service-not-supported-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as requested service is not supported.	When the SGSN sends Activate Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-service-not-subscribed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected as subscriber is not subscribed to requested service due to: APN Selection failures such as: Requested APN/PDP-Type/PDP-Addr not matching the subscription. Wild card APN requested but multiple subscription records exist for the subscriber. APN Access denied and No subscription error was received in Create PDP Context Response from GGSN.	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-svc-opt-tmp-out-of-order-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-rej-apn-restriction-incompatible-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to restriction of APN or incompatibility of APN for service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-rej-semantically-incorrect-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to semantically incorrect IE message in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-invalid-mandatory-info-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to invalid mandatory IE in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-msg-type-non-existent-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected upon receiving Create PDP Context Response from GGSN with a cause of Mandatory IE missing.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected due to conditional IE (Information Element) error in Activate PDP Request.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-msg-not-compatible-with-prot-state-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected as message type is not compatible with protocol state.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-actv-rej-recovery-on-timer-expiry-bk	INT32	Incremental	active	Total number of requests to activate PDP context for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-rej-prot-err-unspecified-bk	INT32	Incremental	active	Total number of requests sent to MS to activate PDP context for 3G service rejected upon receiving Create PDP Context Response from GGSN with a cause of unspecified protocol error.	When the SGSN sends Activate Reject for the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-sec-actv-rej-odb-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to operator determined barring.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-insufficient-resources-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to insufficient resources.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-by-ggsn-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as request rejected by the GGSN.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-sec-actv-rej-unspecified-error-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to error which is not specified in this table or unknown.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-service-not-supported-bk	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 3G service rejected as requested service is not supported.	When the SGSN sends Activate Secondary Reject due to SGSN operator policy restrictions and the cause code was configured as Service Not Supported. Activations can be rejected due to SGSN operator policy in which the reject cause is configurable.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-sec-actv-rej-service-not-subscribed-bk	INT32	Incremental	active	Total number of requests sent to MS to activate secondary PDP context for 3G service rejected as subscriber is not subscribed to requested service due to: APN Selection related errors such as: Activate PDP Request without PDP Address/Type and APN and and multiple subscription records present. Activate PDP Request with PDP Type (and address) and no matching subscription records for the PDP Type. Activate PDP Request with dynamic addressing but matching subscription records have static address. Create PDP Context Response from GGSN is received with error code Access denied and no subscription.	When the SGSN sends Activate Reject for all the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-sec-actv-rej-svc-opt-tmp-out-of-order-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as requested service option is temporarily out of order.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-semantically-incorrect-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 2G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-invalid-mandatory-info-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-msg-type-non-existent-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-ie-non-existent-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-conditional-ie-err-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-msg-not-compat-prot-state-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as message type is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-recovery-on-timer-expiry-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected as timer expired for recovery.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-prot-err-unspecified-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-semantic-error-tft-operation-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-syntax-err-in-tft-operation-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to syntax error in traffic flow template (TFT) operation.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-sec-actv-rej-unknown-pdp-context-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to unknown type of PDP context.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-semantic-err-in-pkt-filter-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to semantic error in packet filter.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-syntax-err-in-pkt-filter-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to syntax error in packet filter.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-pdp-notft-actv-bk	INT32	Incremental	active	Total number of requests to activate secondary PDP context for 3G service rejected due to TFT was not active.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-sec-actv-rej-coll-with-net-init-req-bk	INT32	Incremental	active	Total number of Activate Secondary Rejects sent with cause collision with network-initiated request against Activate Secondary Requests in a 3G network.	Increment when secondary activation fails because: the SGSN receives a bearer resource failure indication with egtp cause EGTP_CAUSE_COLLISION _WITH_NETWORK_ INIT_REQUEST and and the SGSNsends Activate Secondary Reject and with cause collision with network-initiated request and to the UE.	per SGSN service	Standard
sgsn-iups-bk	3G-total-actv-fail-bk	INT32	Incremental	active	Total number of PDP context activation (primary and secondary) failed for 3G service due to: GMM procedure collision Duplicate Activate Requests in non-active states (activation or deactivation in progress) Detach before activation is over Handoff to Peer before activation is over GTP Tunnel deletion in case of Second PDP Activations IU release before the completion of activation procedure	When the SGSN drops PDP Activate Request for all the above conditions.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-primary-actv-fail-bk	INT32	Incremental	active	Total number of primary PDP context activations that failed in the 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-secondary-actv-fail-bk	INT32	Incremental	active	Total number of secondary PDP context activations that failed in the 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-actv-fail-iu-release-before-activate-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to IU release before the completion of activation procedure.	When the SGSN drops PDP Activate Request due to IU release before the completion of activation procedure.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-gaurd-timer-expiry-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to SM Guard Timer Expiry.	When the SGSN drops PDP Activate Request due to SM Guard Timer Expiry.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-duplicate-activation-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to an ongoing PDP Activation.	When the SGSN drops PDP Activate Request due to PDP Activation in progress.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-other-ongoing-procedure-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to other ongoing procedures such as: Activate Request during network initiated detach Page timer expiry while trying to send Activate Accept/Reject	When the SGSN drops PDP Activate Request due to other ongoing procedures.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-tunnel-deactivation-bk	INT32	Incremental	active	Total number of PDP Activation Requests that fail due to tunnel deactivation.	Not Defined	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-handoff-before-activate-over-bk	INT32	Incremental	active	Total number of PDP Activation Request dropped due to Handoff request from Peer SGSN for the subscriber.	When the SGSN drops PDP Activate Request due to Handoff request from Peer SGSN for the subscriber.	per SGSN Service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-actv-fail-detach-before-activate-over-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to detach request while activation was in progress.	When the SGSN drops PDP Activate Request due to detach request while activation was in progress. SGSN for the subscriber.	per SGSN Service and per RA	Standard
sgsn-iups-bk	3G-actv-fail-phase-2-offload-bk	INT32	Incremental	active	This proprietary counter indicates the total number of PDP Activation failures due to Phase 2 offloading in 3G service. This statistics is specific to releases 8.1 and higher.	When PDP Activation fails due to Phase 2 offloading.	per SGSN service and per RA and per RNC	Standard
sgsn-iups-bk	3G-actv-fail-invalid-message-content-bk	INT32	Incremental	active	Total number of PDP Activation Requests dropped due to invalid information in activate request such as invalid Ti flag value.	When the SGSN drops PDP Activate Request due to above condition.	per SGSN Service and per RA	Standard
sgsn-iups-bk	3G-ms-modify-req-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-ms-modify-accept-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-ms-modify-rej-bk	INT32	Incremental	active	Total number of MS initiated PDP context modification requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-modify-req-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests received for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-modify-accept-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests accepted for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-modify-rej-bk	INT32	Incremental	active	Total number of network initiated PDP context modification requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-ms-deactv-accept-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests sent to MS accepted for 3G service.	When the SGSN sends Deactivate Accept in response to MS initiated PDP deactivation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-ms-deactv-reject-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-hlr-init-deact-acc-bk	INT32	Incremental	active	Total number of HLR initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to HLR initiated Deactivation Request sent to MS.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-hlr-init-deact-rej-bk	INT32	Incremental	active	Total number of HLR-initiated PDP Context Deactivation Requests for which Deactivation Accept has not been received in the 3G service.	When no response is received; i.e. and no Deactivate Accept received for the Deactivate Request the SGSN sent towards the MS due to HLR-initiated deactivation.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-sgsn-init-deact-acc-bk	INT32	Incremental	active	Total number of SGSN initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to SGSN initiated Deactivation Request sent to MS.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-sgsn-init-deact-rej-bk	INT32	Incremental	active	Total number of SGSN-initiated PDP Context Deactivations for which Deactivation Accept has not been received for the 3G service.	When there is no response; i.e. and no Deactivate Accept received for the Deactivate Request sent towards the MS because the deactivation was SGSN-initiated.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-ggsn-init-deact-acc-bk	INT32	Incremental	active	Total number of GGSN initiated PDP Context Deactivation Requests received from MS accepted for 3G service.	When the SGSN receives Deactivate Accept corresponding to GGSN initiated Deactivation Request sent to MS.	per SGSN service and per RAI	Standard
sgsn-iups-bk	3G-ggsn-init-deact-rej-bk	INT32	Incremental	active	Total number of GGSN/PGW-initiated PDP Context Deactivation Requests for which Deactivate Accept has not been received in the 3G service.	When no response is received; i.e and . no Deactivate Accept is received in for the Deactivate Request sent towards the MS due to GGSN-Initiated deactivation.	per SGSN service and per RA	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-insuff-res-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to insufficient resources in download direction for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-actv-rej-ggsn-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as request rejected by corresponding GGSN for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-actv-rej-unspec-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected due to unknown or unspecified reasons for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-svc-opt-temp-out-order-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested service option is temporarily out of order for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-nsapi-already-used-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests rejected as requested NSAPI is already in use for 3G service.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-sem-err-tft-op-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantic error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-syn-err-tft-op-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to syntax error in subscriber TFT option.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-invalid-trans-id-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to invalid transaction id.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-sem-incorrect-msg-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to semantically incorrect message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-inval-mand-info-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as mandatory information in message is invalid.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-msg-non-existent-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to non-existent type of message.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-ie-non-existent-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to non-existence of information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-cond-ie-err-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to error in conditional information element.	Not Defined	Not Defined	Standard
sgsn-iups-bk	3G-nw-deactv-rej-tx-prot-err-unspec-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected due to unspecified protocol error.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	3G-nw-deactv-rej-tx-msg-not-compat-prot-state-bk	INT32	Incremental	active	Total number of MS initiated PDP Context Deactivation Requests for 3G service rejected as message is not compatible with protocol state.	Not Defined	Not Defined	Standard
sgsn-iups-bk	SRNS-ctxt-rsp-rcvd-bk	INT32	Incremental	active	Total number of SRNS context request received.	Not Defined	Not Defined	Standard
sgsn-iups-bk	SRNS-ctxt-req-sent-bk	INT32	Incremental	active	Total number of Serving Radio Network Subsystem (SRNS) context request sent.	Not Defined	Not Defined	Standard
sgsn-iups-bk	SRNS-ctxt-total-pdp-acc-bk	INT32	Incremental	active	Total number of PDP context request by SRNS accepted.	Not Defined	Not Defined	Standard
sgsn-iups-bk	SRNS-ctxt-total-pdp-rej-bk	INT32	Incremental	active	Total number of PDP context request by SRNS rejected.	Not Defined	Not Defined	Standard
sgsn-iups-bk	Relocation-request-bk	INT32	Incremental	active	Total number of SRNS relocation requests received.	Not Defined	Not Defined	Standard
sgsn-iups-bk	Relocation-complete-bk	INT32	Incremental	active	Total number of SRNS relocation completed.	Not Defined	Not Defined	Standard
sgsn-iups-bk	rab-assign-req-bk	INT32	Incremental	active	Total number of SGSN-initiated RAB assignment requests sent to all RNCs.	Increments when SGSN sends a RAB assignment Request due to: primary activation. secondary activation. RAB release. PDP modification initiated by MS. PDP modification initiated by SGSN. PDP modificationinitiated by GGSN/P-GW. PDP modification initiated by HSS/HLR. SRNS. RAU if RABs are established in old RA.	per SGSN service and per RNC and per RA	Standard
sgsn-iups-bk	rab-assign-rsp-bk	INT32	Incremental	active	Total number of SGSN-initiated RAB assignment responses received from all RNCs.	Increments when SGSN initiates a response to a RAB assignment Request due to: primary activation. secondary activation. RAB release. PDP modification by MS. PDP modification by SGSN. PDP modification by GGSN/P-GW. PDP modification by HSS/HLR. during SRNS. during RAU if RABs are established in old RA.	per SGSN service and per RNC and per RA	Standard
sgsn-iups-bk	rab-set-mod-req-bk	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup or Modify Request messages initiated by the SGSN.	Increments whenever a RAB Setup or Modify Request is initiated by the SGSN.	per SGSN service and per RA	Standard
sgsn-iups-bk	rab-set-req-bk	INT32	Incremental	active	This proprietary counter tracks the number of RAB Setup Request messages initiated by the SGSN.	Increments whenever a RAB Setup Request is initiated by the SGSN.	per SGSN service and per RA	Standard
sgsn-iups-bk	rab-mod-req-bk	INT32	Incremental	active	This proprietary counter tracks the number of RAB Modify Request messages initiated by the SGSN.	Increments whenever a RAB Modify Request is initiated by the SGSN.	per SGSN service and per RA	Standard
sgsn-iups-bk	rab-set-mod-acc-bk	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Setup or Modify Request messages. The SGSN initiates RAB Setup or Modify Request towards the RNC to either setup or modify a RAB.	Increments whenever a RAB Setup or Modify Request is successful.	per SGSN service and per RA	Standard
sgsn-iups-bk	rab-set-acc-bk	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Setup Request messages. The SGSN initiates RAB Setup Request towards the RNC to setup a RAB.	Increments whenever a RAB Setup Request is successful.	per SGSN service and per RA	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-mod-acc-bk	INT32	Incremental	active	This proprietary counter tracks the number of successful RAB Modify Request messages. The SGSN initiates RAB Modify Request towards the RNC to modify a RAB.	Increments whenever a RAB Modify Request is successful.	per SGSN service and per RA	Standard
sgsn-iups-bk	total-rab-rej-bk	INT32	Incremental	active	Total RAB setup/modify/release requests rejected.	Not Defined	Not Defined	Standard
sgsn-iups-bk	rab-rej-rab-preempt-bk	INT32	Incremental	active	Total number of RAB requests rejected due to pre-empted event.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-overall-tmr-exp-bk	INT32	Incremental	active	Total number of RAB requests for relocation rejected due to expiry of timer TRELOCoverall. This specifies the maximum time for the protection of overall Relocation procedure in the source RNC.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value TRELOCoverall	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-prep-tmr-exp-bk	INT32	Incremental	active	Total number of RAB requests for relocation rejected due to expiry of timer TRELOCprep. This specifies the maximum time for expiry of Relocation Preparation procedure in the source RNC.	When the source RNC cancels the Relocation Preparation procedure by initiating the Relocation Cancel procedure with a cause value TRELOCprep expiry.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-complete-tmr-exp-bk	INT32	Incremental	active	Indicates the maximum time for waiting the relocation completion in the CN.	When the SGSN initiate release of Iu connections towards the source and the target RNC initiates the Iu Release procedure with a cause value TRELOCcomplete expiry.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-queuing-tmr-exp-bk	INT32	Incremental	active	Indicates the maximum time in the RNC for queuing the request of RAB establishment or modification.	When the RNC sends the RAB assignment response to report unsuccessful establishment/modification of RAB with the failed RAB ID list with the cause Tqueuing Expiry.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-triggered-bk	INT32	Incremental	active	Total number of RAB requests for relocation triggered. The action fails due to relocation of MS to another RNC.	When the Relocation required message is sent with the cause Relocation Triggered to the SGSN. If the relocation becomes necessary during the RAB Assignment procedure and the RNC may interrupt the ongoing RAB Assignment procedure and initiate the Relocation Preparation procedure and send the RAB assignment response as failure cause relocation required.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-unable-to-est-reloc-bk	INT32	Incremental	active	Total number of RAB requests rejected because RAB failed to establish during relocation as it cannot be supported in the target RNC or the RAB did not exist in the source RNC.	When the target RNC sends the RELOCATION REQUEST ACKNOWLEDGE message with a value in Cause IE Unable to Establish During Relocation and for the RABs rejected and received in RELOCATION REQUEST from SGSN and only if the Relocation Type IE is set to UE involved in relocation of SRNS in the request.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-unknown-target-rnc-bk	INT32	Incremental	active	Total number of RAB requests rejected due to unknown target RNC in request.	When the SGSN rejects the relocation of SRNS by sending a RELOCATION PREPARATION FAILURE message to the source RNC with Cause IE set to Unknown target RNC and if the target RNC is unknown to SGSN.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-cancel-bk	INT32	Incremental	active	Total number of RAB requests rejected as relocation was cancelled due to interaction with other procedures.	When SGSN issues the IU release command to RNC with the cause Relocation Cancelled and if the Relocation Preparation procedure is unsuccessfully terminated.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-success-bk	INT32	Incremental	active	Total number of RAB requests rejected due to completion of successful relocation.	When SGSN issues the IU release command to RNC with the cause Successful Relocation and if completion of successful relocation of SRNS happened.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-cypher-algo-no-support-bk	INT32	Incremental	active	Total number of RAB requests rejected as the UTRAN or the UE is unable to support the requested ciphering and/or integrity protection algorithms.	If the target RNC cannot support any of the integrity protection (ciphering respectively) alternatives provided in the Integrity Protection Information IE or Encryption Information IE and in RELOCATION REQUEST from SGSN and it returns a RELOCATION FAILURE message with the cause Requested Ciphering and/or Integrity Protection algorithms not supported. RNC also sends the SECURITY MODE REJECT with the same cause for the same reason when receiving the SECURITY MODE COMMAND from SGSN.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-conflict-cypher-info-bk	INT32	Incremental	active	Total number of RAB requests rejected due to conflict with the requested security mode configuration and the already existing security mode configuration.	If the target RNC receives a source RNC to target RNC Transparent Container IE containing Chosen Integrity Protection (Encryption respectively) Algorithm IE without Integrity Protection (Ciphering respectively) Key IE and it returns a RELOCATION FAILURE message with the cause Conflict with already existing Integrity protection and/or Ciphering information. RNC also sends the SECURITY MODE REJECT with the same cause for the same reason when receiving the SECURITY MODE COMMAND from SGSN.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-failure-radio-if-proc-bk	INT32	Incremental	active	Total number of RAB requests rejected due to failure in radio interface procedure.	If the radio interface Security Mode Control procedure fails and a SECURITY MODE REJECT message will be sent to the SGSN with cause value Failure in the Radio Interface Procedure from RNC.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-rel-utran-reason-bk	INT32	Incremental	active	Total number of RAB requests rejected as RAB release is initiated due to UTRAN generated reason.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-utran-inactivity-bk	INT32	Incremental	active	Total number of RAB requests rejected as RAB released due to user inactivity at UTRAN on one or more non real time RABs in order to optimize radio resource.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value User Inactivity for a particular MS.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-time-crit-relocation-bk	INT32	Incremental	active	Total number of RAB requests rejected as relocation is requested for time critical reason. This cause value is reserved to represent all critical cases where the connection is likely to be dropped if relocation is not performed.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Time Critical Relocation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-traffic-class-unavail-bk	INT32	Incremental	active	Total number of RAB request rejected as requested traffic class unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Traffic Class not Available.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-invalid-rab-param-val-bk	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB parameter value.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Invalid RAB Parameters Value.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-max-bit-rate-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-max-bit-rate-dl-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate for downlink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate for DL not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-max-bit-rate-ul-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested maximum bit rate for uplink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Maximum Bit Rate for DL not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-gbr-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID with the cause Requested Guaranteed Bit Rate not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-gbr-dl-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate for downlink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Guaranteed Bit Rate for DL not Available.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-req-gbr-ul-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested guaranteed bit rate for uplink is unavailable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Guaranteed Bit Rate for UL not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-trans-delay-not-achievable-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested transfer delay is not achievable.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Requested Transfer Delay not Achievable.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-inval-rab-param-combo-bk	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB parameter combination.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Invalid RAB Parameters Combination.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-violation-for-sdu-param-bk	INT32	Incremental	active	Total number of RAB requests rejected due to occurrence of condition violation for Service Data Unit (SDU) parameters.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for SDU Parameters.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-violation-traffic-hanlde-prio-bk	INT32	Incremental	active	Total number of RAB requests rejected due to occurrence of condition violation for traffic handling priority.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for Traffic Handling Priority.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-violation-for-gbr-bk	INT32	Incremental	active	Total number of RAB request rejected due to occurrence of condition violation for guaranteed bit rate.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Condition Violation for Guaranteed Bit Rate.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-usr-plane-ver-unsupported-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested user plane version is not supported.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause User Plane Versions not Supported.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-iu-up-failure-bk	INT32	Incremental	active	Total number of RAB requests rejected due to Iu UP activation failure.	When RNC sends the RAB assignment response to report unsuccessful establishment/modification of a RAB with the failed RAB ID list with the cause Iu UP Failure.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-alloc-expiry-bk	INT32	Incremental	active	Total number of RAB requests rejected as Relocation Resource Allocation procedure failed due to expiry of the TRELOCalloc timer.	When SGSN is unable to complete the relocation of SRNS before the TRELOCalloc expiry. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause TRELOCalloc expiry.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-failure-target-system-bk	INT32	Incremental	active	Total number of RAB request rejected due to relocation failure in target CN/RNC or target system.	When SGSN cannot complete the relocation of SRNS due to failure in the Target CN/RNC or Target System. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation Failure in Target CN/RNC or Target System.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-invalid-rdb-id-bk	INT32	Incremental	active	Total number of RAB requests rejected due to invalid RAB ID in the RNC.	If the RAB ID of a RAB requested to be released is unknown in the RNC and RNC will report as a RAB failed to release with the cause value Invalid RAB ID in RAB Assignment Response to SGSN. If RAB ID of RAB requested to be transferred is unknown in RNC and the SRNS CONTEXT RESPONSE message will contain the cause with the RAB ID. The RAB ID IE for each RAB for which UTRAN is not able to transfer a data volume report due to unknown RAB ID is included in the DATA VOLUME REPORT message together with a Cause IE Invalid RAB ID.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-no-remaining-rab-bk	INT32	Incremental	active	Total number of RAB requests rejected as no RAB is available.	When SGSN issues the IU release command to RNC with the cause No remaining RAB and if there is no RAB associated with the IU.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-interaction-with-other-proc-bk	INT32	Incremental	active	Total number of RAB requests rejected as relocation was cancelled due to interaction with other procedure.	If source RNC triggers the RELOCATION CANCEL to SGSN with cause Interaction with other procedure when relocation preparation is triggered and it receives another message via the same signalling IU.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-integrity-check-fail-bk	INT32	Incremental	active	Total number of RAB requests rejected due to repeated failure in integrity checking.	When RNC issues the IU release request to SGSN with the cause Repeated Integrity Checking Failure.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-type-not-supported-bk	INT32	Incremental	active	Total number of RAB requests rejected as the RNC is not supporting the requested location request type either because it does not support the requested event or it does not support the requested report area.	If the RNC cannot deliver the location information as requested by the SGSN and due to non-support of the requested event and then it will send location report message indicating the UE location to be Undetermined with cause Requested Request Type not supported.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-req-superseeded-bk	INT32	Incremental	active	Total number of RAB requests rejected due to a second request on the same RAB.	In case of a request to modify or release a RAB that contains the RAB ID of a RAB being queued and the RAB will be taken out of the queue and treated according to the second request. The first request will be responded to as RAB failed to setup or modify the cause value Request superseded by RNC to SGSN in RAB Assignment Response.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-rel-due-to-ue-sig-con-rel-bk	INT32	Incremental	active	Total number of RAB requests rejected as RAB released due to UE generated signaling connection release.	When RNC issues the IU release request to SGSN with the cause Release due to UE generated signalling connection release.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-res-optimization-reloc-bk	INT32	Incremental	active	Total number of RAB requests rejected as resource optimization for relocation occurred.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Resource Optimization Relocation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-req-info-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as requested information is unavailable.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Resource Optimization Relocation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-due-to-radio-reason-bk	INT32	Incremental	active	Total number of RAB requests rejected due to radio related errors/causes.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Relocation desirable for radio reasons.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-unsupported-target-system-bk	INT32	Incremental	active	Total number of RAB requests rejected as relocation is not supported in target system.	When SGSN is unable to complete the relocation of SRNS due to failure in the Target CN/RNC or Target System. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation not supported in Target RNC or Target system.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-directed-retry-bk	INT32	Incremental	active	Total number of RAB requests rejected as retries directed by system.	Directed retry is the process of assigning a User Equipment to a radio resource that does not belong to the serving RNC and for example and in situations of congestion. It is triggered by the RAB Assignment procedure and employs relocation procedures. The RNC may indicate an impending directed retry attempt to GSM by sending a RAB ASSIGNMENT RESPONSE message with a RAB ID included in the list of RABs failed to setup and a cause value of Directed Retry. The RNC invokes relocation by sending a RELOCATION REQUIRED message to the active SGSN node with the cause Directed Retry. The source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Time Critical Relocation.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-radio-con-with-ue-lost-bk	INT32	Incremental	active	Total number of RAB requests rejected as radio connection with UE is lost.	When RNC initiated RAB release procedure sends RAB Release request with this cause.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-rnc-unable-to-estab-all-rfcs-bk	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to establish all RAB subflow combinations indicated within the RAB Parameters IE.	When the RNC cannot initialise the requested user plane mode for any of the user plane mode versions in the UP Mode Versions IE according to the rules for initialization of the respective user plane mode versions. The RAB Assignment Response (failure) with the cause value RNC unable to establish all RFCs will be received from RNC. It will be received for the same reason in RELOCATION REQUEST ACKNOWLEDGE message from RNC.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-deciphering-keys-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to provide the requested deciphering keys.	When the RNC is unable to provide the requested deciphering keys. The RNC will then send a LOCATION RELATED DATA FAILURE message including the Cause IE to the SGSN with the cause Deciphering Keys Not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-dedicated-assistance-data-unavail-bk	INT32	Incremental	active	Total number of RAB requests rejected as RNC is unable to successfully deliver the requested dedicated assistance data to the UE.	When the RNC is unable to successfully deliver the requested dedicated assistance data to the UE. The RNC will then send a LOCATION RELATED DATA FAILURE message including the Cause IE to the SGSN with the cause Dedicated Assistance data Not Available.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reloc-target-not-allowed-bk	INT32	Incremental	active	Total number of RAB requests rejected as relocation to the indicated target cell is not allowed for the UE.	When SGSN is unable to complete the relocation of SRNS if the Relocation is not allowed in Target Cell. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Relocation Target not allowed.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-location-reporting-congestion-bk	INT32	Incremental	active	Total number of RAB requests rejected due to an inability to support location reporting caused by overload.	When the RNC cannot deliver the location information as requested by the SGSN due to non-availability of requested information. It will then send location report message indicating the UE location to be Undetermined with cause Location Reporting Congestion.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-reduce-load-in-serving-cell-bk	INT32	Incremental	active	Total number of RAB requests rejected as the load reduction on serving cell needs to be reduced.	When the source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Reduce Load in Serving Cell.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-no-radio-res-avail-in-target-cell-bk	INT32	Incremental	active	Total number of RAB requests rejected as radio resource is unavailable in target cell.	When SGSN is unable to complete the relocation of SRNS if the Resource is not available in Target Cell. The SGSN then issues a RELOCATION PREPARATION FAILURE message to the source RNC with the cause No Radio Resources Available in Target Cell. Target RNC will send RELOCATION FAILURE message to SGSN with the cause Radio Resources Available in Target Cell.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-geran-iu-mode-failure-bk	INT32	Incremental	active	Total number of RAB requests rejected due to failure in Iu mode in GERAN. The RAB establishment/modification/relocation failed because the GERAN BSC cannot provide an appropriate RAB due to limited capabilities within GERAN.	When the RAB establishment/modification/relocation fails because the GERAN BSC cannot provide an appropriate RAB due to limited capabilities within GERAN. The RNC will then send RAB assignment response with the cause GERAN Iu-mode failure.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-access-restrict-shared-nwtk-bk	INT32	Incremental	active	Total number of RAB requests rejected as access is restricted in the cell due to shared network.	When the source RNC initiates the Iu Release Request procedure towards the SGSN with a cause value Access Restricted Due to Shared Networks. The source RNC initiates relocation preparation procedure by sending a RELOCATION REQUIRED message with the cause Access Restricted Due to Shared Networks.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-incoming-reloc-nwt-support-puesbine-bk	INT32	Incremental	active	Total number of RAB requests rejected as the incoming relocation request is not accepted by the target RNC because of the Provision of UE Specific Behavior Information to Network Entities (PUESBINE) feature.	When the target RNC cannot support the relocation due to PUESBINE feature. It sends a RELOCATION FAILURE message with the cause Incoming Relocation Not Supported Due To PUESBINE Feature To SGSN.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-traffic-target-more-source-cell-bk	INT32	Incremental	active	Total number of RAB requests rejected as the traffic load in the target cell is higher than that in the source cell.	When SGSN is unable to complete the relocation of SRNS if the Resource is not available in Target Cell. The SGSN will then issue a RELOCATION PREPARATION FAILURE message to the source RNC with the cause Traffic Load In The Target Cell Higher Than In The Source Cell. Target RNC sends RELOCATION FAILURE message to SGSN with the cause Traffic Load In The Target Cell Higher Than In The Source Cell to SGSN when load at the target cell is higher than that in the source cell.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-mbms-no-multicat-svc-for-ue-bk	INT32	Incremental	active	Total number of RAB requests rejected for Multimedia Broadcast/Multicast Service (MBMS) feature as multicast service is not supported by user equipment.	When SGSN is unable to process the UPLINK INFORMATION EXCHANGE REQUEST for reason that MS does not have the multicat service. The SGSN then sends the UPLINK INFORMATION EXCHANGE FAILURE message to the RNC about the reason for unsuccessful operation with a cause value MBMS - No Multicast Service For This UE.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-mbms-unknown-ue-id-bk	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature because the user equipment identification is unknown to the CN.	When SGSN is unable to process the UPLINK INFORMATION EXCHANGE REQUEST for reason that UE is unknown to SGSN. The SGSN then sends the UPLINK INFORMATION EXCHANGE FAILURE message to the RNC about the reason for unsuccessful operation with a cause value MBMS - Unknown UE ID.	per SGSN service and per RAI	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-iups-bk	rab-rej-mbms-sess-start-no-data-bearer-bk	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as the session starts without any necessary data bearer.	When the RNC decides to wait to establish the MBMS RAB. It then sends the MBMS SESSION START RESPONSE message with the cause value Successful MBMS Session Start - No Data Bearer Necessary to SGSN for MBMS SESSION START REQUEST.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-mbms-superseed-nnsf-bk	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as request superseded due to NAS Node Selection Function (NNSF).	When NNSF is active and the RNC is received from several CN nodes for a certain MBMS Bearer Service. The MBMS SESSION START message is also sent by the SGSN and and the RNC informs the SGSN with MBMS SESSION START FAILURE message and cause value MBMS - Superseded Due To NNSF.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-mbms-ue-linking-already-done-bk	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as user equipment is already linked to the given Multicast service.	When the RNC sends the MBMS UE LINKING RESPONSE message for unsuccessful linking(s) with cause value MBMS - UE Linking Already Done.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-mbms-ue-delinking-failure-bk	INT32	Incremental	active	Total number of RAB requests rejected for MBMS feature as user equipment delinking failed because the UE had not been linked to the given Multicast service.	When the RNC sends the MBMS UE LINKING RESPONSE message for unsuccessful de-linking(s) with cause value MBMS - UE De-Linking Failure - No Existing UE Linking.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-tmgi-unknown-bk	INT32	Incremental	active	Total number of RAB requests rejected as the indicated Temporary Mobile Group Identifier (TMGI) is unknown.	When the MBMS REGISTRATION FAILURE message sent from SGSN informs the RNC about the reason for unsuccessful MBMS registration operation with cause value TMGI Unknown.	per SGSN service and per RAI	Standard
sgsn-iups-bk	rab-rej-ms-unspecified-failure-bk	INT32	Incremental	active	Total number of RAB requests rejected due to unspecified failure at MS.	Not Defined	per SGSN service and per RAI	Standard
sgsn-map-bk	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
sgsn-map-bk	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MAP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
sgsn-map-bk	servname	STRING	Primary-key	active	The name of the MAP service for which these statistics are being displayed.	Configuration	Per MAP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-map-bk	map-auth-succes-bk	INT32	Incremental	active	Total number of successful MAP Authentication Information Requests initiated by the SGSN and sent to the HLR.	Increments when SGSN receives a valid response to a MAP Authentication Information Request from the HLR and a SAI (service area identity) procedure is successful.	Not Defined	Standard
sgsn-map-bk	map-auth-req-tx-bk	INT32	Incremental	active	Total number of Send Authentication Request messages transmitted to HLR.	Counter When a MAP Send Authentication Request is initiated from SGSN.	Not Defined	Standard
sgsn-map-bk	map-auth-fail-bk	INT32	Incremental	active	Total number of User Error / Provider Error received in response to SAI request.	Counter When User Error / Provider Error is received from HLR.	Not Defined	Standard
sgsn-map-bk	map-auth-timeouts-rcvd-bk	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from the HLR for map-auth-fail-rep-req-tx message initiated from SGSN.	Not Defined	Standard
sgsn-map-bk	mo-sms-in-progress-bk	INT32	Gauge	active	Number of mobile originated SMS that are waiting in the SGSN to be delivered.	Not Defined	Not Defined	Standard
sgsn-map-bk	mt-sms-in-progress-bk	INT32	Gauge	active	Number of mobile terminated (MT) SMS in progress.	Not Defined	Not Defined	Standard
sgsn-map-bk	mo-sms-attempted-bk	INT32	Incremental	active	Total number of mobile originated SMSs attempted.	Not Defined	Not Defined	Standard
sgsn-map-bk	mt-sms-attempted-bk	INT32	Incremental	active	Total number of mobile terminated SMSs attempted.	Not Defined	Not Defined	Standard
sgsn-map-bk	mo-sms-successful-bk	INT32	Incremental	active	Total number of mobile originated SMSs successful.	Not Defined	Not Defined	Standard
sgsn-map-bk	mt-sms-successful-bk	INT32	Incremental	active	Total number of mobile terminated SMSs successful.	Not Defined	Not Defined	Standard
sgsn-map-bk	map-gprs-update-loc-req-tx-bk	INT32	Incremental	active	Total number of UGL (GPRS Update Location) request initiated towards HLR.	Counter When UGL request is sent to HLR.	Not Defined	Standard
sgsn-map-bk	map-gprs-update-loc-rsp-tx-bk	INT32	Incremental	active	Total number of successful response messages sent in response to UGL request.	Counter When successful response is received from the HLR.	Not Defined	Standard
sgsn-map-bk	map-gprs-update-loc-err-tx-bk	INT32	Incremental	active	Total number of Failure response (User Error/Provider Error) messages received in response to UGL request.	Counter When MAP Return Error / Provider Error is received to UGL request.	Not Defined	Standard
sgsn-map-bk	map-gprs-update-loc-timeouts-rx-bk	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter increments if there is no response from HLR.	Not Defined	Standard
sgsn-map-bk	map-cancel-loc-req-rx-bk	INT32	Incremental	active	Total number of Cancel Location Request received from HLR.	Counter When MAP Cancel Location Request is received.	Not Defined	Standard
sgsn-map-bk	map-cancel-loc-rsp-tx-bk	INT32	Incremental	active	Total number of successful Cancel Location Response messages sent to HLR.	Counter When successful response is sent to HLR.	Not Defined	Standard
sgsn-map-bk	map-cancel-loc-err-tx-bk	INT32	Incremental	active	Total number of Error response messages sent to HLR.	Counter When MAP Return Error is sent to HLR.	Not Defined	Standard
sgsn-map-bk	map-del-subs-req-rx-bk	INT32	Incremental	active	Total number of Delete Subscription Data Request received from HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	Not Defined	Standard
sgsn-map-bk	map-del-subs-rsp-tx-bk	INT32	Incremental	active	Total number of successful responses for Delete Subscription Data request sent to HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	Not Defined	Standard
sgsn-map-bk	map-del-subs-ret-tx-bk	INT32	Incremental	active	Total number of Error responses sent for Delete Subscription Data (DSD) request received.	Counter When failure response is sent to HLR.	Not Defined	Standard
sgsn-map-bk	map-imei-req-tx-bk	INT32	Incremental	active	Total number of MAP Check IMEI requests initiated towards EIR.	Counter When MAP CHECK IMEI Request is sent.	Not Defined	Standard
sgsn-map-bk	map-imei-succes-bk	INT32	Incremental	active	Total number of successful responses for MAP Check IMEI requests.	Counter When MAP CHECK IMEI Request is sent.	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgsn-map-bk	map-imei-fail-bk	INT32	Incremental	active	Total number of failure responses for MAP Check IMEI requests received from EIR.	Counter When MAP Return Error / Provider Error is received in response.	Not Defined	Standard
sgsn-map-bk	map-imei-timeout-bk	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	Not Defined	Standard
sgsn-map-bk	map-auth-fail-rept-req-tx-bk	INT32	Incremental	active	Total number of Authentication Failure Report Request messages transmitted by MAP.	Counter When a message is initiated to inform HLR that certain vectors had problem in authenticating with the MS.	Not Defined	Standard
sgsn-map-bk	map-auth-fail-rept-rsp-rx-bk	INT32	Incremental	active	Total number of Authentication Failure Report Request messages received by MAP.	Counter When successful response is received in response to map-auth-fail-rep-req-tx.	Not Defined	Standard
sgsn-map-bk	map-auth-fail-rept-err-rx-bk	INT32	Incremental	active	Total number of User Error and Provider Error received for the Authentication Failure Report Request sent to HLR.	Counter When MAP Return Error/Provider Error is received in response to map-auth-fail-rep-req-tx message. There will be no effect on the call due to this.	Not Defined	Standard
sgsn-map-bk	map-auth-fail-rept-timeouts-rcvd-bk	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When MAP Return Error / Provider Error is received in response to map-auth-fail-rep-req-tx. There will be no effect on the call due to this.	Not Defined	Standard
sgsn-map-bk	map-purge-req-tx-bk	INT32	Incremental	active	Total number of MAP Purge Request messages initiated towards HLR.	Counter When MAP Purge Request is transmitted.	Not Defined	Standard
sgsn-map-bk	map-purge-success-bk	INT32	Incremental	active	Total number of successful MAP Purge Request messages sent to HLR.	Counter When successful response is received from HLR.	Not Defined	Standard
sgsn-map-bk	map-purge-fail-bk	INT32	Incremental	active	Total number of Failure response received from HLR.	Counter When MAP Return Error / Provider Error is received in response.	Not Defined	Standard
sgsn-map-bk	map-purge-timeouts-rcvd-bk	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	Not Defined	Standard
sgtp-bk	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SGTP service. This is an internal reference number.	Not Defined	Not Defined	Standard
sgtp-bk	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Not Defined	Not Defined	Standard
sgtp-bk	servname	STRING	Primary-key	active	The name of the SGTP service for which these statistics are being displayed.	Not Defined	Not Defined	Standard
sgtp-bk	sgtpu-ggsn-byts-sent-bk	INT64	Incremental	active	Total number of GTP-U messages bytes sent to GGSN at a given instance of time.	Changes every time an uplink packet is sent to the GGSN.	Not Defined	Standard
sgtp-bk	sgtpu-rnc-byts-sent-bk	INT64	Incremental	active	Total number of bytes for GTP-U messages sent to the RNC at a given instance in time.	Changes every time a downlink packet is sent to the RNC.	Not Defined	Standard
sgtp-bk	sgtpu-sgsn-byts-sent-bk	INT64	Incremental	active	Total number of GTP-U message bytes sent to the peer SGSN at a given instance of time.	Changes every time a packet is sent to a new SGSN during an Inter SGSN handoff.	Not Defined	Standard
sgtp-bk	sgtpu-ggsn-byts-rcvd-bk	INT64	Incremental	active	Total number of GTP-U message bytes received from the GGSN at a given instance of time.	Changes every time a downlink packet is received from the GGSN.	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp-bk	sgtpu-rnc-byts-rcvd-bk	INT64	Incremental	active	Total number of GTP-U messages bytes received from the RNC at a given instance of time.	Increments when SGSN receives an uplink packet from an RNC.	Not Defined	Standard
sgtp-bk	sgtpu-sgsn-byts-rcvd-bk	INT64	Incremental	active	Total bytes for GTP-U messages received from peer SGSN.	Not Defined	Not Defined	Standard
map	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
map	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MAP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
map	servname	STRING	Primary-key	active	The name of the MAP service for which these statistics are being displayed.	Configuration	Per MAP Service	Standard
map	map-open-req-tx	INT32	Incremental	active	Total number of mobile application part (MAP) open requests sent.	Not Defined	Per MAP Service	Standard
map	map-open-req-rx	INT32	Incremental	active	Total number of mobile application part (MAP) open requests received.	Not Defined	Per MAP Service	Standard
map	map-open-rsp-tx	INT32	Incremental	active	Total number of MAP open response sent.	Not Defined	Per MAP Service	Standard
map	map-open-rsp-rx	INT32	Incremental	active	Total number of MAP open response received.	Not Defined	Per MAP Service	Standard
map	map-close-tx	INT32	Incremental	active	Total number of MAP close response sent.	Not Defined	Per MAP Service	Standard
map	map-close-rx	INT32	Incremental	active	Total number of MAP close response received.	Not Defined	Per MAP Service	Standard
map	map-abort-tx	INT32	Incremental	active	Total number of MAP abort request sent.	Not Defined	Per MAP Service	Standard
map	map-abort-rx	INT32	Incremental	active	Total number of MAP abort request received.	Not Defined	Per MAP Service	Standard
map	map-auth-req-tx	INT32	Incremental	active	Total number of Send Authentication Request messages transmitted to HLR.	Counter When a MAP Send Authentication Request is initiated from SGSN.	Per MAP Service	Standard
map	map-auth-succes	INT32	Incremental	active	Total number of successful MAP Authentication Information Requests initiated by the SGSN and sent to the HLR.	Increments when SGSN receives a valid response to a MAP Authentication Information Request from the HLR and a SAI (service area identity) procedure is successful.	Per MAP Service	Standard
map	map-auth-fail	INT32	Incremental	active	Total number of User Error / Provider Error received in response to SAI request.	Counter When User Error / Provider Error is received from HLR.	Per MAP Service	Standard
map	map-auth-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from the HLR for map-auth-fail-rep-req-tx message initiated from SGSN.	Per MAP Service	Standard
map	map-imei-req-tx	INT32	Incremental	active	Total number of MAP Check IMEI requests initiated towards EIR.	Counter When MAP CHECK IMEI Request is sent.	Per MAP Service	Standard
map	map-imei-succes	INT32	Incremental	active	Total number of successful responses for MAP Check IMEI requests.	Counter When MAP CHECK IMEI Request is sent.	Per MAP Service	Standard
map	map-imei-fail	INT32	Incremental	active	Total number of failure responses for MAP Check IMEI requests received from EIR.	Counter When MAP Return Error / Provider Error is received in response.	Per MAP Service	Standard
map	map-imei-timeout	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	Per MAP Service	Standard
map	map-gprs-update-loc-req-tx	INT32	Incremental	active	Total number of UGL (GPRS Update Location) request initiated towards HLR.	Counter When UGL request is sent to HLR.	Per MAP Service	Standard
map	map-gprs-update-loc-rsp-tx	INT32	Incremental	active	Total number of successful response messages sent in response to UGL request.	Counter When successful response is received from the HLR.	Per MAP Service	Standard
map	map-gprs-update-loc-err-tx	INT32	Incremental	active	Total number of Failure response (User Error/Provider Error) messages received in response to UGL request.	Counter When MAP Return Error / Provider Error is received to UGL request.	Per MAP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
map	map-gprs-update-loc-timeouts-rx	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter increments if there is no response from HLR.	Per MAP Service	Standard
map	map-sub-loc-rpt-req-tx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT Requests transmitted.	MAP service increments this counter upon transmitting a MAP Subscriber Location Report Request to the GMLC.	Per MAP Service	Standard
map	map-sub-loc-rpt-rsp-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT Responses received.	MAP service increments this counter upon receiving a MAP Subscriber Location Report Response from the GMLC.	Per MAP Service	Standard
map	map-sub-loc-rpt-err-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT errors received.	MAP service increments this counter upon receiving a MAP Subscriber Location Report Error Response from the GMLC.	Per MAP Service	Standard
map	map-sub-loc-rpt-timeouts-rx	INT32	Incremental	active	Total number of MAP SUBSCRIBER LOCATION REPORT timeouts received.	MAP service increments this counter upon timeout, while waiting for a MAP Subscriber Location Report Response from the GMLC.	Per MAP Service	Standard
map	map-prov-sub-loc-req-rx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Requests received.	MAP service increments this counter upon receiving a MAP Provide Subscriber Request from the GMLC.	Per MAP Service	Standard
map	map-prov-sub-loc-rsp-tx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Responses transmitted.	MAP service increments this counter upon transmitting a MAP Provide Subscriber Response to the GMLC.	Per MAP Service	Standard
map	map-prov-sub-loc-err-tx	INT32	Incremental	active	Total number of MAP PROVIDE SUBSCRIBER LOCATION Errors transmitted.	MAP service increments this counter upon transmitting a MAP Provide Subscriber Error Response to the GMLC.	Per MAP Service	Standard
map	map-cancel-loc-req-rx	INT32	Incremental	active	Total number of Cancel Location Request received from HLR.	Counter When MAP Cancel Location Request is received.	Per MAP Service	Standard
map	map-cancel-loc-rsp-tx	INT32	Incremental	active	Total number of successful Cancel Location Response messages sent to HLR.	Counter When successful response is sent to HLR.	Per MAP Service	Standard
map	map-cancel-loc-err-tx	INT32	Incremental	active	Total number of Error response messages sent to HLR.	Counter When MAP Return Error is sent to HLR.	Per MAP Service	Standard
map	map-del-subs-req-rx	INT32	Incremental	active	Total number of Delete Subscription Data Request received from HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	Per MAP Service	Standard
map	map-del-subs-rsp-tx	INT32	Incremental	active	Total number of successful responses for Delete Subscription Data request sent to HLR.	Counter When MAP Delete Subscription Data (DSD) message is received.	Per MAP Service	Standard
map	map-del-subs-ret-tx	INT32	Incremental	active	Total number of Error responses sent for Delete Subscription Data (DSD) request received.	Counter When failure response is sent to HLR.	Per MAP Service	Standard
map	map-insert-subs-rcvd	INT32	Incremental	active	Total number of insert subscriber data requests received by MAP.	Not Defined	Per MAP Service	Standard
map	map-standalone-isd-rcvd	INT32	Incremental	active	Total number of standalone insert subscriber data requests received by MAP.	Not Defined	Per MAP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
map	map-isd-rsp-tx	INT32	Incremental	active	Total number of insert subscriber data requests sent by MAP.	Not Defined	Per MAP Service	Standard
map	map-isd-err-tx	INT32	Incremental	active	Total number of insert subscriber data failure response sent by MAP.	Not Defined	Per MAP Service	Standard
map	map-auth-fail-rept-req-tx	INT32	Incremental	active	Total number of Authentication Failure Report Request messages transmitted by MAP.	Counter When a message is initiated to inform HLR that certain vectors had problem in authenticating with the MS.	Per MAP Service	Standard
map	map-auth-fail-rept-rsp-rx	INT32	Incremental	active	Total number of Authentication Failure Report Request messages received by MAP.	Counter When successful response is received in response to map-auth-fail-rep-req-tx.	Per MAP Service	Standard
map	map-auth-fail-rept-err-rx	INT32	Incremental	active	Total number of User Error and Provider Error received for the Authentication Failure Report Request sent to HLR.	Counter When MAP Return Error/Provider Error is received in response to map-auth-fail-rep-req-tx message. There will be no effect on the call due to this.	Per MAP Service	Standard
map	map-auth-fail-rept-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When MAP Return Error / Provider Error is received in response to map-auth-fail-rep-req-tx. There will be no effect on the call due to this.	Per MAP Service	Standard
map	map-purge-req-tx	INT32	Incremental	active	Total number of MAP Purge Request messages initiated towards HLR.	Counter When MAP Purge Request is transmitted.	Per MAP Service	Standard
map	map-purge-success	INT32	Incremental	active	Total number of successful MAP Purge Request messages sent to HLR.	Counter When successful response is received from HLR.	Per MAP Service	Standard
map	map-purge-fail	INT32	Incremental	active	Total number of Failure response received from HLR.	Counter When MAP Return Error / Provider Error is received in response.	Per MAP Service	Standard
map	map-purge-timeouts-rcvd	INT32	Incremental	active	Total number of timeouts that occurred while waiting for response from HLR.	Counter When there is no response from HLR.	Per MAP Service	Standard
map	map-hlr-reset-rcvd	INT32	Incremental	active	Total number of HLR reset indicator received by MAP.	Not Defined	Per MAP Service	Standard
map	map-mo-fwd-req-sent	INT32	Incremental	active	Total number of mobile originated forward request messages sent to MAP.	Not Defined	Per MAP Service	Standard
map	map-mo-fwd-rsp-rcvd	INT32	Incremental	active	Total number of mobile originated forward response messages received from MAP.	Not Defined	Per MAP Service	Standard
map	map-mo-fwd-rsp-failed	INT32	Incremental	active	Total number of mobile originated forward response messages failed at MAP.	Not Defined	Per MAP Service	Standard
map	map-mo-fwd-rsp-time-out	INT32	Incremental	active	Total number of mobile originated forward response messages timed-out at MAP.	Not Defined	Per MAP Service	Standard
map	map-mt-fwd-req-sent	INT32	Incremental	active	Total number of mobile terminated forward request messages sent to MAP.	Not Defined	Per MAP Service	Standard
map	map-mt-fwd-rsp-rcvd	INT32	Incremental	active	Total number of mobile terminated forward request messages received from MAP.	Not Defined	Per MAP Service	Standard
map	map-mt-fwd-rsp-failed	INT32	Incremental	active	Total number of mobile terminated forward response messages failed at MAP.	Not Defined	Per MAP Service	Standard
map	map-ready-for-sm-req	INT32	Incremental	active	Total number of MAP ready for session management request received.	Not Defined	Per MAP Service	Standard
map	map-ready-for-sm-rsp	INT32	Incremental	active	Total number of MAP ready for session management request response received.	Not Defined	Per MAP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
map	map-ready-for-sm-rsp-failed	INT32	Incremental	active	Total number of MAP ready for session management requests failed.	Not Defined	Per MAP Service	Standard
map	map-ready-for-sm-rsp-time-out	INT32	Incremental	active	Total number of MAP ready for session management requests timed-out.	Not Defined	Per MAP Service	Standard
sgtp	vpn-id	INT32	Primary-key	active	Identifier for the VPN context in which this SGTP service is running.	Not Defined	Not Defined	Standard
sgtp	vpn-name	STRING	Primary-key	active	Name of the VPN context in which this SGTP service is running.	Not Defined	Not Defined	Standard
sgtp	service-name	STRING	Primary-key	active	Name of the SGTP service for which this bulk statistics are collected.	Not Defined	Not Defined	Standard
sgtp	iups-service	STRING	Primary-key	active	Name of the corresponding Iu-PS interface service for this SGTP service.	Not Defined	Not Defined	Standard
sgtp	rnc-address	STRING	Primary-key	active	Address of the corresponding radio network controller (RNC) for this SGTP service.	Not Defined	Not Defined	Standard
sgtp	ggsn-address	STRING	Primary-key	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgtp	sgtpc-total-cpc-req	INT32	Incremental	active	Total GTP-C messages for create PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-v1-pri	INT32	Incremental	active	Total GTP-Cv1 messages for create primary PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-v0-pri	INT32	Incremental	active	Total GTP-Cv0 messages for create primary PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-sec	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for create secondary PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-sec	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for create PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-accept	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for create PDP context requests accepted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-req-denied	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for create PDP context requests denied.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-rsp-v1-pri	INT32	Incremental	active	Total GTP-Cv1 messages response sent for create primary PDP context requests.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-rsp-v0-pri	INT32	Incremental	active	Total GTP-Cv0 messages response sent for create primary PDP context requests.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-cpc-rsp-sec	INT32	Incremental	active	Total GTP (v1 and v0) message response for create secondary PDP context requests sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-upc-req	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for update PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-v1-tx	INT32	Incremental	active	Total GTP-Cv1 message response for update PDP context requests sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-v0-tx	INT32	Incremental	active	Total GTP-Cv0 message response for update PDP context requests sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-v1-rx	INT32	Incremental	active	Total GTP-Cv1 messages for update PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-v0-rx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgtp	sgtpc-upc-req-accept-tx	INT32	Incremental	active	Total GTP-C update PDP context request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-accept-rx	INT32	Incremental	active	Total GTP-C update PDP context request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-accept-v1-tx	INT32	Incremental	active	Total GTP-C v1 update PDP context requests accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-accept-v1-rx	INT32	Incremental	active	Total GTP-Cv1 message response for update PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-accept-v0-rx	INT32	Incremental	active	Total GTP-C v0 update PDP context requests accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-upc-req-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) update PDP context requests denied messages sent.	Not Defined	Per SGTP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpc-upc-req-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) update PDP context requests denied messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-dpc-req	INT32	Incremental	active	Total GTP-C (v1 and v0) messages for delete PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-v1-tx	INT32	Incremental	active	Total GTP-Cv1 message response for delete PDP context requests sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-v0-tx	INT32	Incremental	active	Total GTP-Cv0 message response for delete PDP context requests sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-v1-rx	INT32	Incremental	active	Total GTP-Cv1 messages for update PDP delete requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-v0-rx	INT32	Incremental	active	Total GTP-Cv0 message response for delete PDP context requests received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-tx	INT32	Incremental	active	Total GTP-C delete PDP context request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-rx	INT32	Incremental	active	Total GTP-C delete PDP context request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-v1-tx	INT32	Incremental	active	Total GTP-Cv1 delete PDP context requests accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-v0-tx	INT32	Incremental	active	Total GTP-Cv0 delete PDP context requests accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-v1-rx	INT32	Incremental	active	Total GTP-Cv1 delete PDP context requests accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-accept-v0-rx	INT32	Incremental	active	Total GTP-Cv0 delete PDP context requests accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) delete PDP context requests denied messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-dpc-req-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) delete PDP context requests denied messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-pdu-not-req	INT32	Incremental	active	Total number of GTP-C (v1 and v0) PDUs not requested but received for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-v1-pri	INT32	Incremental	active	Total number of GTP-Cv1 PDUs not requested but received for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-v0-pri	INT32	Incremental	active	Total number of GTP-Cv0 PDUs not requested but received for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-sec	INT32	Incremental	active	Total number of GTP-C (v1 and v0) PDUs not requested but received for secondary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-v1-pri-ret	INT32	Incremental	active	Total number of GTP-Cv1 PDUs not requested but received for primary PDP context and retried.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-v0-pri-ret	INT32	Incremental	active	Total number of GTP-Cv0 PDUs not requested but received for primary PDP context and retried	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-sec-ret	INT32	Incremental	active	Total number of GTP-C (v1 and v0) PDUs not requested but received for secondary PDP context retried.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-accept-v1	INT32	Incremental	active	Total number of GTP-Cv1 PDUs not requested but received for secondary PDP context and accepted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-req-accept-v0	INT32	Incremental	active	Total number of GTP-Cv0 PDUs not requested but received for secondary PDP context accepted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu_not-req-denied	INT32	Incremental	active	Total number of GTP-C (v1 and v0) PDUs not requested but received and denied.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-pdu-not-rej-req	INT32	Incremental	active	Total number of GTP-C (v1 and v2) PDUs requested and not rejected.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-rej-req-v1-pri	INT32	Incremental	active	Total number of GTP-Cv1 PDUs requested and not rejected for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-rej-req-v0-pri	INT32	Incremental	active	Total number of GTP-Cv0 PDUs requested and not rejected for primary PDP context.	Not Defined	Per SGTP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpc-pdu-not-rej-req-v1-pri-ret	INT32	Incremental	active	Total number of GTP-Cv1 PDUs requested and not rejected for primary PDP context but retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-rej-req-v0-pri-ret	INT32	Incremental	active	Total number of GTP-Cv0 PDUs not requested and not rejected for primary PDP context but retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-rej-req-accept-v1	INT32	Incremental	active	Total number of GTP-Cv1 PDUs requested and not rejected for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu-not-rej-req-accept-v0	INT32	Incremental	active	Total number of GTP-Cv0 PDUs requested and not rejected for primary PDP context.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-pdu_not-rej-req-denied	INT32	Incremental	active	Total number of PDU notification requests which were not accepted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-sri-req	INT32	Incremental	active	Total number of GTP-C (v1 and v0) Send Routing Information (SRI) request messages transmitted to the HLR(s).	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sri-req-v1	INT32	Incremental	active	Total number of GTP-Cv1 Send Routing Information (SRI) request messages transmitted to the HLR(s).	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sri-req-v0	INT32	Incremental	active	Total number of GTP-Cv0 Send Routing Information (SRI) request messages transmitted to the HLR(s).	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sri-req-v1-ret	INT32	Incremental	active	The total number of Total number of GTP-Cv1 Send Routing Information (SRI) request messages retransmitted to the HLR(s).	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sri-req-v0-ret	INT32	Incremental	active	Total number of GTP-Cv0 Send Routing Information (SRI) request messages retransmitted to the HLR(s).	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sri-req-denied	INT32	Incremental	active	Total number of GTP-C (v1 and v0) Send Routing Information (SRI) request messages transmitted to the HLR(s) and denied.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-total-fail-rpt-req	INT32	Incremental	active	Total number of GTP-C (v1 and v0) fail report messages requested.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fail-rpt-req-v1	INT32	Incremental	active	Total number of GTP-Cv1 fail report messages requested.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fail-rpt-req-v0	INT32	Incremental	active	Total number of GTP-Cv1 fail report messages requested.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fail-rpt-req-v1-ret	INT32	Incremental	active	Total number of GTP-Cv1 fail report messages requested and retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fail-rpt-req-v0-ret	INT32	Incremental	active	Total number of GTP-Cv0 fail report messages requested and retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fail-rpt-req-denied	INT32	Incremental	active	Total number of GTP-Cv1 fail report messages requested and denied.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-v1-tx	INT32	Incremental	active	Total GTP-C v1 identification request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-v0-tx	INT32	Incremental	active	Total GTP-C v0 identification request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-v1-rx	INT32	Incremental	active	Total GTP-C v1 identification request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-v0-rx	INT32	Incremental	active	Total GTP-C v0 identification request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-tx	INT32	Incremental	active	Total GTP-C identification request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-rx	INT32	Incremental	active	Total GTP-C identification request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-v1-tx	INT32	Incremental	active	Total GTP-Cv1 identification request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-v0-tx	INT32	Incremental	active	Total GTP-Cv0 identification request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-v1-rx	INT32	Incremental	active	Total GTP-Cv1 identification request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-accept-v0-rx	INT32	Incremental	active	Total GTP-Cv0 identification request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) identification request denied messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ident-req-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) identification request denied messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-v1-tx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-v0-tx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-v1-rx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request messages received.	Not Defined	Per SGTP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpc-sgsn-ctxt-req-v0-rx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-tx	INT32	Incremental	active	Total GTP-C SGSN context request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-rx	INT32	Incremental	active	Total GTP-C SGSN context request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-v1-tx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-v0-tx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-v1-rx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-accept-v0-rx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request accept messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) SGSN context request denied messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-req-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) SGSN context request denied messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-tx	INT32	Incremental	active	Total GTP-C SGSN context acknowledgement accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-rx	INT32	Incremental	active	Total GTP-C SGSN context acknowledgement accept messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-v1-tx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request accept acknowledge messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-v1-tx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request accept acknowledge messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-v0-tx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request accept acknowledge messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-v1_rx	INT32	Incremental	active	Total GTP-Cv1 SGSN context request accept acknowledge messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-accept-v0_rx	INT32	Incremental	active	Total GTP-Cv0 SGSN context request accept acknowledge messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) SGSN context request denial acknowledge messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-sgsn-ctxt-ack-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) SGSN context request denial acknowledge messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-req-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-req-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-discard-tx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgtp	sgtpc-fwd-reloc-req-accept-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request accept response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-req-accept-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request accept response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request denied response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request denied response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-srnsctxt-req-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with serving radio network subsystem (SRNS) context request sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-srnsctxt-req-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with SRNS context request received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-srnsctxt-discard-rx	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
sgtp	sgtpc-fwd-srnsctxt-ack-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with SRNS context request acknowledge sent.	Not Defined	Per SGTP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpc-fwd-srnsctxt-ack-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with SRNS context request acknowledge received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-srnsctxt-ack-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with SRNS context request denied sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-srnsctxt-ack-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with SRNS context request denied received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-compl-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with procedure complete message sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-reloc-compl-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages with procedure complete message received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-rel-compl-ack-accept-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages for procedure complete acknowledge sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-rel-compl-ack-accept-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages for procedure complete acknowledge received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-rel-compl-ack-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages for procedure complete sent with ACK denial.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-fwd-rel-compl-ack-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) forward relocation request messages for procedure complete received with ACK denial.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-req-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) messages sent with relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-req-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) message response received for relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-req-accept-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) messages sent with acceptance for relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-req-accept-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) message response received with acceptance for relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-denied-tx	INT32	Incremental	active	Total GTP-C (v1 and v0) messages sent with denial for relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-reloc-cncl-denied-rx	INT32	Incremental	active	Total GTP-C (v1 and v0) message response with received with denial for relocation cancel request.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-paket-discarded	INT32	Incremental	active	Total GTP-C (v1 and v0) packets discarded.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v1-echo-req-tx	INT32	Incremental	active	Total GTP-C v1 echo request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v0-echo-req-tx	INT32	Incremental	active	Total GTP-C v1 echo request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v1-retrnas-echo-req-tx	INT32	Incremental	active	Total GTP-C v1 echo request messages retransmited.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v0-retrnas-echo-req-tx	INT32	Incremental	active	Total GTP-C v0 echo request messages retransmited.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v1-echo-req-rx	INT32	Incremental	active	Total GTP-C v1 echo request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v0-echo-req-rx	INT32	Incremental	active	Total GTP-C v0 echo request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ret-v1-echo-req-rx	INT32	Incremental	active	Total GTP-C v1 echo request retransmitted messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ret-v0-echo-req-rx	INT32	Incremental	active	Total GTP-C v0 echo request retransmitted messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v1-echo-rsp-tx	INT32	Incremental	active	Total GTP-C v1 echo response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v0-echo-rsp-tx	INT32	Incremental	active	Total GTP-C v0 echo response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v1-echo-rsp-rx	INT32	Incremental	active	Total GTP-C v1 echo response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-v0-echo-rsp-rx	INT32	Incremental	active	Total GTP-C v0 echo response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ver-not-supported-rx	INT32	Incremental	active	Total GTP-C messages of not supported version of GTP received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-ver-not-supported-tx	INT32	Incremental	active	Total GTP-C messages of not supported version of GTP messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-supp-extn-hdr-notif-rx	INT32	Incremental	active	Total GTP messages with supported extension headers notification received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpc-supp-extn-hdr-notif-tx	INT32	Incremental	active	Total GTP messages with supported extension headers notification sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-ggsn-pkt-sent	INT64	Incremental	active	Total packets for GTP-U messages sent to GGSN.	Not Defined	Per SGTP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpu-ggsn-byts-sent	INT64	Incremental	active	Total number of GTP-U messages bytes sent to GGSN at a given instance of time.	Changes every time an uplink packet is sent to the GGSN.	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-sent	INT64	Incremental	active	Total packets for GTP-U messages sent to RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-sent	INT64	Incremental	active	Total number of bytes for GTP-U messages sent to the RNC at a given instance in time.	Changes every time a downlink packet is sent to the RNC.	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-sent	INT64	Incremental	active	Total packets for GTP-U messages sent to SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-sent	INT64	Incremental	active	Total number of GTP-U message bytes sent to the peer SGSN at a given instance of time.	Changes every time a packet is sent to a new SGSN during an Inter SGSN handoff.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-rcvd	INT64	Incremental	active	Total packets for GTP-U messages received from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-rcvd	INT64	Incremental	active	Total number of GTP-U message bytes received from the GGSN at a given instance of time.	Changes every time a downlink packet is received from the GGSN.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-queued	INT64	Incremental	active	Total packets queued for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-queued	INT64	Incremental	active	Total bytes queued for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-forwarded	INT64	Incremental	active	This proprietary counter indicates the total number of packets that are forwarded from the GGSN queue.	Increments when a packet is forwarded from the GGSN queue.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-forwarded	INT64	Incremental	active	This proprietary counter indicates the total number of bytes that are forwarded from the GGSN queue.	Increments when a byte is forwarded from the GGSN queue.	Per SGTP Service	Standard
sgtp	sgtpu-total-ggsn-pkt-drop	INT64	Incremental	active	Total packets dropped for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-ggsn-byts-drop	INT64	Incremental	active	Total bytes dropped for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-queue-full	INT64	Incremental	active	Total packets dropped due to queued buffer limit full for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-queue-full	INT64	Incremental	active	Total bytes dropped due to queued buffer limit full for GTP-U messages from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-pkt-ctxt-preserved	INT64	Incremental	active	Total number of GTP packets from GGSN dropped in preserved context.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-byts-ctxt-preserved	INT64	Incremental	active	Total number of GTP bytes from GGSN dropped in preserved with context.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-unkwn-sess	INT64	Incremental	active	Total number of GTP packets from GGSN dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-unkwn-sess	INT64	Incremental	active	Total number of GTP bytes from GGSN dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-drop-suspend-dealloc-st	INT64	Incremental	active	Total number of GTP packets from GGSN dropped due to session de-allocation state was in suspended state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-drop-suspend-dealloc-st	INT64	Incremental	active	Total number of GTP bytes from GGSN dropped due to session de-allocation state was in suspended state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-page-fail	INT64	Incremental	active	Total number of GTP packets dropped due to paging failure when there was downlink data from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-page-fail	INT64	Incremental	active	Total number of GTP bytes dropped due to paging failure when there was downlink data from GGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-v0-seq-num-nt-pres	INT64	Incremental	active	Total number of packets from GGSN dropped as GTP-Uv0 messages received with sequence number flag set to false.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-v0-seq-num-nt-pres	INT64	Incremental	active	Total number of bytes from GGSN dropped as GTP-Uv0 messages received with sequence number flag set to false.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-unknown-version	INT64	Incremental	active	Total number of GTP-U packets received from GGSN with unknown GTP version.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-unknown-version	INT64	Incremental	active	Total number of GTP-U bytes received from GGSN with unknown GTP version.	Not Defined	Per SGTP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpu-ggsn-pkt-invalid-msg-length	INT64	Incremental	active	Total number of GTP packets from GGSN dropped as GTP-U messages received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-invalid-msg-length	INT64	Incremental	active	Total number of GTP bytes from GGSN dropped due to GTP-U messages received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-traffic-policing	INT64	Incremental	active	Total number of GTP-U packets received from GGSN under subscriber traffic policing support.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-traffic-policing	INT64	Incremental	active	Total number of GTP-U bytes received from GGSN under subscriber traffic policing support.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-iu-release	INT64	Incremental	active	Total number of downlink packets that were queued but dropped due to IU/RAB release.	Counter at the new SGSN increments when Iu/RAB gets released while inter-SGSN-RAU is in progress and downlink data is queued during RAU.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-iu-release	INT64	Incremental	active	Total number of downlink bytes that were queued but dropped due to IU/RAB release.	Counter at the new SGSN increments when Iu/RAB gets released while inter-SGSN-RAU is in progress and downlink data is queued during RAU.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-t3-tmr-expiry	INT64	Incremental	active	Total number of downlink packets that were queued but dropped due to T3-tunnel timer expiry during inter-SGSN RAU procedure.	During inter-SGSN RAU at the old SGSN, neither Cancel Location or SGSN Context Ack are received when t3-tunnel timer is fired causing the RAU procedure to abort. If old RABs are not available, the data queued during the RAU will be dropped.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-t3-tmr-expiry	INT64	Incremental	active	Total number of downlink bytes that were queued but dropped due to T3-tunnel timer expiry during inter-SGSN RAU procedure.	During inter-SGSN RAU at the old SGSN, neither Cancel Location or SGSN Context Ack are received when t3-tunnel timer is fired causing the RAU procedure to abort. If old RABs are not available, the data queued during the RAU will be dropped.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-pkt-bvc-block	INT64	Incremental	active	This proprietary counter indicates the total number of packets that are dropped from the GGSN queue, because of BVC Block or BVC Reset messages received for the MM context.	Increments when a packet is dropped from the GGSN queue because of BVC Reset/BVC Block received for the MM context.	Per SGTP Service	Standard
sgtp	sgtpu-ggsn-byts-bvc-block	INT64	Incremental	active	This proprietary counter indicates the total number of bytes that are dropped from the GGSN queue, because of BVC Block or BVC Reset messages received for the MM context.	Increments when a byte is dropped from the GGSN queue because of BVC Reset/BVC Block received for the MM context.	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-rcvd	INT64	Incremental	active	Total packets for GTP-U messages received from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-rcvd	INT64	Incremental	active	Total number of GTP-U messages bytes received from the RNC at a given instance of time.	Increments when SGSN receives an uplink packet from an RNC.	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-queued	INT64	Incremental	active	Total packets queued for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpu-rnc-byts-queued	INT64	Incremental	active	Total bytes queued for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-rnc-pkt-drop	INT64	Incremental	active	Total packets dropped for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-rnc-byts-drop	INT64	Incremental	active	Total bytes dropped for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-queue-full	INT64	Incremental	active	Total packets dropped due to queued buffer limit full for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-queue-full	INT64	Incremental	active	Total bytes dropped due to queued buffer limit full for GTP-U messages from RNC.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-unkwn-sess	INT64	Incremental	active	Total number of GTP packets from RNC dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-unkwn-sess	INT64	Incremental	active	Total number of GTP bytes from RNC dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-rau-in-active-reg-st	INT64	Incremental	active	Total number of GTP packets from RNC dropped due to routing area update procedure in active registration state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-rau_in_active-reg-st	INT64	Incremental	active	Total number of GTP bytes from RNC dropped due to routing area update procedure in active registration state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-drop-suspended-dealloc-st	INT64	Incremental	active	Total number of GTP packets from RNC dropped due to session de-allocation state was in suspended state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-drop-suspended-dealloc-st	INT64	Incremental	active	Total number of GTP bytes from RNC dropped due to session de-allocation state was in suspended state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-unknown-version	INT64	Incremental	active	Total number of GTP-U packets received from RNC with unknown GTP version.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-unknown-version	INT64	Incremental	active	Total number of GTP-U bytes received from RNC for packets with unknown GTP version.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-invalid-msg-length	INT64	Incremental	active	Total number of GTP packets from RNC dropped due to GTP-Uv0 messages received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-invalid-msg-length	INT64	Incremental	active	Total number of GTP bytes from RNC dropped due to TP-Uv0 messages received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-source-ip-viol	INT64	Incremental	active	Total number of GTP packets from RNC dropped as received GTP-Uv0 message shows source IP violation.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-source-ip-viol	INT64	Incremental	active	Total number of GTP bytes from RNC dropped as received GTP-Uv0 message shows source IP violation.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-pkt-traffic-policing	INT64	Incremental	active	Total number of GTP-U packets received from RNC under subscriber traffic policing support.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-rnc-byts-traffic-policing	INT64	Incremental	active	Total number of GTP-U bytes received from RNC under subscriber traffic policing support.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-rcvd	INT64	Incremental	active	Total packets for GTP-U messages received from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-rcvd	INT64	Incremental	active	Total bytes for GTP-U messages received from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-queued	INT64	Incremental	active	Total packets queued for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-queued	INT64	Incremental	active	Total bytes queued for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-sgsn-pkt-drop	INT64	Incremental	active	Total packets dropped for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-total-sgsn-byts-drop	INT64	Incremental	active	Total bytes dropped for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-queue-full	INT64	Incremental	active	Total packets dropped due to queued buffer limit full for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-queue-full	INT64	Incremental	active	Total bytes dropped due to queued buffer limit full for GTP-U messages from peer SGSN.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-unkwn-sess	INT64	Incremental	active	Total number of GTP packets from peer SGSN dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-unkwn-sess	INT64	Incremental	active	Total number of GTP bytes from peer SGSN dropped in unknown session.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-iu-release	INT64	Incremental	active	Total number of GTP packets from peer SGSN received with Iu release message.	Not Defined	Per SGTP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sgtp	sgtpu-sgsn-byts-iu-release	INT64	Incremental	active	Total number of GTP bytes from peer SGSN received with Iu release message.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-inconsistent-tunnel-state	INT64	Incremental	active	Total number of GTP packets from peer SGSN received during inconsistent tunnel state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-inconsistent-tunnel-state	INT64	Incremental	active	Total number of GTP bytes from peer SGSN received during inconsistent tunnel state.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-sess-dealloc	INT64	Incremental	active	Total number of GTP packets from peer SGSN received during session deallocation procedure.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-sess-dealloc	INT64	Incremental	active	Total number of GTP bytes from peer SGSN received during session deallocation procedure.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-unknown-version	INT64	Incremental	active	Total number of GTP-U packets received from peer SGSN with unknown GTP version.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-unknown-version	INT64	Incremental	active	Total number of GTP-U bytes received from peer SGSN with unknown GTP version.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-pkt-invalid-msg-length	INT64	Incremental	active	Total number of GTP packets from peer SGSN received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-sgsn-byts-invalid-msg-length	INT64	Incremental	active	Total number of GTP bytes from peer SGSN received with invalid message length.	Not Defined	Per SGTP Service	Standard
sgtp	sgtpu-echo-req-tx	INT32	Incremental	active	Total number of GTP-U echo request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-echo-req-rx	INT32	Incremental	active	Total number of GTP-U echo request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-echo-rsp-tx	INT32	Incremental	active	Total number of GTP-U echo response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-echo-rsp-rx	INT32	Incremental	active	Total number of GTP-U echo response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v1-echo-req-tx	INT32	Incremental	active	Total GTP-Uv1 echo request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v0-echo-req-tx	INT32	Incremental	active	Total GTP-Uv0 echo request messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v1-echo-req-rx	INT32	Incremental	active	Total GTP-Uv1 echo request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v0-echo-req-rx	INT32	Incremental	active	Total GTP-Uv0 echo request messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v1-echo-rsp-tx	INT32	Incremental	active	Total GTP-Uv1 echo request response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v0-echo-rsp-tx	INT32	Incremental	active	Total GTP-Uv0 echo request response messages sent.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v1-echo-rsp-rx	INT32	Incremental	active	Total GTP-Uv1 echo request response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v0-echo-rsp-rx	INT32	Incremental	active	Total GTP-Uv0 echo request response messages received.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v1-echo-req-retrans	INT32	Incremental	active	Total GTP-Uv1 echo request response messages retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-v0-echo-req-retrans	INT32	Incremental	active	Total GTP-Uv0 echo request response messages retransmitted.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-ggsn-errind-sent	INT32	Incremental	active	Total GTP-U (v1 and v0) messages sent to GGSN with error indication.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-ggsn-errind-rcvd	INT32	Incremental	active	Total GTP-U (v1 and v0) messages received from GGSN with error indication.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-rnc-errind-sent	INT32	Incremental	active	Total GTP-U (v1 and v0) messages sent to RNC with error indication.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-rnc-errind-rcvd	INT32	Incremental	active	Total GTP-U (v1 and v0) messages received from RNC with error indication.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-sgsn-unknown-errind	INT32	Incremental	active	Total GTP-U (v1 and v0) messages sent to peer SGSN with unknown error indication.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-sgsn-unsolicited-data-pkt	INT32	Incremental	active	Total GTP-U (v1 and v0) messages received with unsolicited data packets in GTP-U messages.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-sgsn-err-ind-for-unsolicited-pkt	INT32	Incremental	active	Total GTP-U (v1 and v0) messages received with error indication for unsolicited pata packets in GTP-U messages.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-total-active-ggsn	INT32	Gauge	active	Total active GGSN nodes. This statistic value is of Gauge.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-total-active-rnc	INT32	Gauge	active	Total active RNC nodes. This statistic value is of Gauge.	Not Defined	Per SGTP service	Standard
sgtp	sgtpu-errors-payload-length-mismatch	INT64	Incremental	active	Total number of invalid packets received from GGSN or RNC with errors due to mismatch in payload length.	Increments when received GTP-U (v1 and v0) header does not match with the actual payload length field.	Per SGTP service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sccp	ssa-txed	INT32	Incremental	active	Total number of Subsystem Allowed (SSA) messages sent by Signalling Connection Control Part (SCCP) function to the peer destination	Increments when the SCCP subsystem becomes available (SCCP function is not prohibited or unavailable) and SCCP function sends an SSA message to inform the peer destination.	Per VPN context	Standard
sccp	ss-oos-grant-txed	INT32	Incremental	active	Total number of Subsystem-Out-of-Service-Grant (SOG) messages sent by the SCCP function. SOG is sent as a reply by the SCCP when it receives and accepts a Subsystem-Out-of-Service-Request (SOR) message from the peer SCCP.	Increments when a SOG message is sent, in reply to a SOR message, to the requesting SCCP.	Per VPN context	Standard
sccp	ss-oos-req-txed	INT32	Incremental	active	Total number of Subsystem-Out-of-Service-Request (SOR) messages sent by the SCCP function, to the peer SCCP, to inform the peer that the requesting SCCP wishes to go out-of-service.	Increments when the SCCP wishes to go out-of-service and sends a SOR.	Per VPN context	Standard
sccp	ssp-txed	INT32	Incremental	active	Total number of Subsystem-Prohibited (SSP) messages sent by the SCCP function, to the peer SCCP subsytem, to inform the peer SCCP that the originateing SCCP is not not available.	Increments when the local SCCP is unavailable and sends an SSP message.	Per VPN context	Standard
sccp	ss-status-test-txed	INT32	Incremental	active	Total number of Subsystem-Status-Test messages (SST) sent by the local SCCP, to the peer SCCP subsystem, to verify the status of the marked peer.	Increments when the local SCCP sends SST to verify the peer's availability	Per VPN context	Standard
sccp	ssa-rcvd	INT32	Incremental	active	Total number of Subsystem-Allowed (SSA) messages received, by the local Signalling Connection Control Part (SCCP) function, from the peer SCCP.	Increments when the local SCCP sends SSA to verify the peer's availability	Per VPN context	Standard
sccp	ss-oos-grant-rcvd	INT32	Incremental	active	Total number of Subsystem-Out-of-Service-Grant (SOG) messages received by the SCCP.	Increments when the local SCCP accepts a Subsystem-Out-of-Service-Request (SOR).	Per VPN context	Standard
sccp	ss-oos-req-rcvd	INT32	Incremental	active	Total number of Subsystem-Out-of-Service-Request (SOR) messages received by the local SCCP.	Increments when the local SCCP receives a Subsystem-Out-of-Service-Request (SOR) message.	Per VPN context	Standard
sccp	ss-prohibit-rcvd	INT32	Incremental	active	Total number of Subsystem-Prohibited (SSP) messages received by the local SCCP.	Increments when the local SCCP receives an SSP message.	Per VPN context	Standard
sccp	ss-status-test-rcvd	INT32	Incremental	active	Total number of Subsystem Status Test (SST) messages received by the local SCCP	Increments when the local SCCP receives an SST message.	Per VPN context	Standard
sccp	ss-congested-txed	INT32	Incremental	active	Total number of Subsystem Congested (SSC) messages sent by the local SCCP.	Increments when the local SCCP sends an SSC message.	Per VPN context	Standard
sccp	ss-congested-rcvd	INT32	Incremental	active	Total number of Subsystem Congested (SSC) messages received by the local SCCP.	Increments when the local SCCP receives an SSC message.	Per VPN context	Standard
sccp	sccp-rtf-notrans-addr-nature	INT32	Incremental	active	Total number of SCCP routing failures due to unavailable translation for a bad address.	Increments when the local SCCP routing failures is due to unavailable translation for a bad address.	Per VPN context	Standard
sccp	sccp-rtf-notrans-addr-specific	INT32	Incremental	active	Total number of SCCP routing failures due to unavailable translation for a specific address.	Increments when the local SCCP routing failures is due to unavailable translation for a specific address.	Per VPN context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sccp	sccp-rtf-netwfail-pc-unavail	INT32	Incremental	active	Total number of SCCP routing failures due to a network failure or the point code is unavailable.	Increments when the SCCP routing failure is due to a network failure or the point code being unavailable.	Per VPN context	Standard
sccp	sccp-rtf-netw-conges	INT32	Incremental	active	Total number of SCCP routing failures due to a network failure result from congestion.	Increments when the SCCP routing failure is due to a network failure resulting from congestion.	Per VPN context	Standard
sccp	sccp-rtf-ssn-fail	INT32	Incremental	active	Total number of SCCP routing failures due to a subsystem failure of a specific subsystem number (SSN).	Increments when the SCCP routing failure is due to a subsystem failure of a specific subsystem number (SSN).	Per VPN context	Standard
sccp	sccp-rtf-ssn-conges	INT32	Incremental	active	Total number of SCCP routing failures due to subsystem congestion of a specific subsystem number (SSN).	Increments when the SCCP routing failure is due to subsystem congestion of a specific subsystem number (SSN).	Per VPN context	Standard
sccp	sccp-syntax-error	INT32	Incremental	active	Total number of SCCP functions that have failed due to a syntax error in a message.	Increments when the SCCP function fails due to a syntax error in a message.	Per VPN context	Standard
sccp	sccp-reassem-err-timer	INT32	Incremental	active	Total number of SCCP functions that failed due to the expiration of the reassembly timer for a message.	Increments when the SCCP function fails due to the expiration of the reassembly timer for a message.	Per VPN context	Standard
sccp	sccp-reassem-err-sequence	INT32	Incremental	active	Total number of SCCP functions that failed because segments arrived out of sequence during reassembly.	Increments when the SCCP function fails because segments arrived out of sequence during reassembly.	Per VPN context	Standard
sccp	sccp-reassem-err-space	INT32	Incremental	active	Total number of SCCP functions that failed due to out of memory or space errors occurred during reassembly.	Increments when the SCCP function fails because out of memory or space errors occurred during reassembly.	Per VPN context	Standard
sccp	sccp-hop-counter-violation	INT32	Incremental	active	Total number of SCCP functions that have failed due to hop counter violations in messages.	Increments when the SCCP function fails due to hop counter violations in a message.	Per VPN context	Standard
sccp	sccp-provider-ini-reset	INT32	Incremental	active	Total number of SCCP functions that have failed because the service provider initiated a reset.	Increments when the SCCP function fails due to a reset initiated by the service provider.	Per VPN context	Standard
sccp	sccp-provider-ini-rel	INT32	Incremental	active	Total number of SCCP functions that have failed because the service provider initiated a release.	Increments when the SCCP function fails due to a release initiated by the service provider.	Per VPN context	Standard
sccp	sccp-msg-toolarge-segment	INT32	Incremental	active	Total number of SCCP functions that have failed because the message was to large for segmentation.	Increments when the SCCP function fails because the messages was too large for segmentation.	Per VPN context	Standard
sccp	sccp-segmentation-fail	INT32	Incremental	active	Total number of SCCP functions that have failed due to failure of the segmentation procedure.	Increments when the SCCP function fails due to failure of the segmentation procedure.	Per VPN context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sccp	sccp-total-msgs-handled	INT32	Incremental	active	Total number of SCCP messages that have been handled by the subsystem.	Increments when a new SCCP message is received by the system and the message is intended for the local SCCP.	Per VPN context	Standard
sccp	sccp-total-msgs-handl-local-ss	INT32	Incremental	active	Total number of SCCP messages that have been handled by the subsystem but were intended for local subsystems.	Increments when a new SCCP message is received by the system.	Per VPN context	Standard
sccp	sccp-total-msgs-req-gtt	INT32	Incremental	active	Total number of SCCP messages that require global title translation (GTT).	Increments when an SCCP message is received, by the system, which requires GTT.	Per VPN context	Standard
sccp	sccp-udt-sent	INT32	Incremental	active	Total number of Unit Data (UDT) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new UDT message.	Per VPN context	Standard
sccp	sccp-udt-rcvd	INT32	Incremental	active	Total number of Unit Data (UDT) messages received by the SCCP layer.	Increments when the SCCP layer receives a new UDT message.	Per VPN context	Standard
sccp	sccp-udts-sent	INT32	Incremental	active	Total number of Unit Data Service (UDTS) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new UDTS message.	Per VPN context	Standard
sccp	sccp-udts-rcvd	INT32	Incremental	active	Total number of Unit Data Service (UDTS) messages received by the SCCP layer.	Increments when the SCCP layer receives a new UDTS message.	Per VPN context	Standard
sccp	sccp-xudt-sent	INT32	Incremental	active	Total number of Extended Unit Data (XUDT) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new XUDT message.	Per VPN context	Standard
sccp	sccp-xudt-rcvd	INT32	Incremental	active	Total number of Extended Unit Data (XUDT) messages received by the SCCP layer.	Increments when the SCCP layer receives a new XUDT message.	Per VPN context	Standard
sccp	sccp-xudts-sent	INT32	Incremental	active	Total number of Extended Unit Data Service (XUDTS) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new XUDTS message.	Per VPN context	Standard
sccp	sccp-xudts-rcvd	INT32	Incremental	active	Total number of Extended Unit Data Service (XUDTS) messages received by the SCCP layer.	Increments when the SCCP layer receives a new XUDTS message.	Per VPN context	Standard
sccp	sccp-ludt-sent	INT32	Incremental	active	Total number of Long Unit Data (LUDT) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new LUDT message.	Per VPN context	Standard
sccp	sccp-ludt-rcvd	INT32	Incremental	active	Total number of Long Unit Data (LUDT) messages received by the SCCP layer.	Increments when the SCCP layer receives a new LUDT message.	Per VPN context	Standard
sccp	sccp-ludts-sent	INT32	Incremental	active	Total number of Long Unit Data Service (LUDTS) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new LUDTS message.	Per VPN context	Standard
sccp	sccp-ludts-rcvd	INT32	Incremental	active	Total number of Long Unit Data Service (LUDTS) messages received by the SCCP layer.	Increments when the SCCP layer receives a new LUDTS message.	Per VPN context	Standard
sccp	sccp-cr-sent	INT32	Incremental	active	Total number of Connection Request (CR) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new CR message.	Per VPN context	Standard
sccp	sccp-cr-rcvd	INT32	Incremental	active	Total number of Connection Request (CR) messages received by the SCCP layer.	Increments when the SCCP layer receives a new CR message.	Per VPN context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sccp	sccp-cc-sent	INT32	Incremental	active	Total number of Connection Confirm (CC) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new CC message.	Per VPN context	Standard
sccp	sccp-cc-rcvd	INT32	Incremental	active	Total number of Connection Confirm (CC) messages received by the SCCP layer.	Increments when the SCCP layer receives a new CC message.	Per VPN context	Standard
sccp	sccp-cref-sent	INT32	Incremental	active	Total number of Connection Refuse (CREF) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new CREF message.	Per VPN context	Standard
sccp	sccp-cref-rcvd	INT32	Incremental	active	Total number of Connection Refuse (CREF) messages received by the SCCP layer.	Increments when the SCCP layer receives a new CREF message.	Per VPN context	Standard
sccp	sccp-rsr-msg-sent	INT32	Incremental	active	Total number of Reset Request (RSR) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new RSR message.	Per VPN context	Standard
sccp	sccp-rsr-msg-rcvd	INT32	Incremental	active	Total number of Reset Request (RSR) messages received by the SCCP layer.	Increments when the SCCP layer receives a new RSR message.	Per VPN context	Standard
sccp	sccp-err-msg-sent	INT32	Incremental	active	Total number of Protocol Data Unit Error (ERR) messages sent by the SCCP layer.	Increments when the SCCP layer sends a new ERR message.	Per VPN context	Standard
sccp	sccp-err-msg-rcvd	INT32	Incremental	active	Total number of Protocol Data Unit Error (ERR) messages received by the SCCP layer.	Increments when the SCCP layer receives a new ERR message.	Per VPN context	Standard
sccp	sccp-unequipped-user	INT32	Incremental	active	Total number of routing failures that occur when the upper SAP of the SCCP layer is unequipped.	Increments when routing failures occur because the upper SAP of the SCCP layer is unequipped.	Per VPN context	Standard
sccp	sccp-reason-unknown	INT32	Incremental	active	Total number of failures at the SCCP layer that are due to unknown reasons or reasons not specified in this table.	Increments when SCCP failure occurs due to unknown reason(s).	Per VPN context	Standard
sccp	sccp-congested-msg-rcvd	INT32	Incremental	active	Total number of SCCP/Subsystem Congested (SSC) messages received by the local SCCP.	Increments when a new SSC message is received by the SCCP.	Per VPN context	Standard
sccp	sccp-prohibit-msg-rcvd	INT32	Incremental	active	Total number of SCCP/Subsystem Prohibited (SSP) messages received by the local SCCP.	Increments when a new SSP message is received by the SCCP.	Per VPN context	Standard
sccp	sccp-class-0-sent	INT32	Incremental	active	Total number of SCCP class -0 (basic connectionless) messages are sent by SCCP function.	Increments when the SCCP layer sends a new class-0 message.	Per VPN context	Standard
sccp	sccp-class-0-rcvd	INT32	Incremental	active	Total number of SCCP class -0 (basic connectionless) messages are received by SCCP function.	Increments when the SCCP layer receives a new class-0 message.	Per VPN context	Standard
sccp	sccp-class-1-sent	INT32	Incremental	active	Total number of SCCP class -1 (basic connectionless) messages are sent by SCCP function.	Increments when the SCCP layer sends a new class-1 message.	Per VPN context	Standard
sccp	sccp-class-1-rcvd	INT32	Incremental	active	Total number of SCCP class -1 (basic connectionless) messages are received by SCCP function.	Increments when the SCCP layer receives a new class-1 message.	Per VPN context	Standard
sccp	sccp-DT1-sent	INT32	Incremental	active	Total number of Data Form 1 (DT1) messages that have been sent by the SCCP function.	Increments when the SCCP layer sends a new DT1 message.	Per VPN context	Standard
sccp	sccp-DT1-rcvd	INT32	Incremental	active	Total number of Data Form 1 (DT1) messages that have been received by the SCCP function.	Increments when the SCCP layer receives a new DT1 message.	Per VPN context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sccp	sccp-rel-compl-supv-fail	INT32	Incremental	active	Total number of SCCP functions released due to supervision failure in the SCCP release complete procedure.	Increments when the SCCP function is released due to supervision failure of the SCCP release complete procedure.	Per VPN context	Standard
sccp	sccp-rel-disconn-req-rx	INT32	Incremental	active	Total number of SCCP functions released due to received Disconnect Request messages.	Increments when the SCCP function is released because a DR is received.	Per VPN context	Standard
sccp	sccp-routing-fail-invalid-ins-routing-req	INT32	Incremental	active	Total number of routing failures due to invalid INS in the routing requested by the SCCP function.	Increments when the routing fails due to invalid INS in the routing requested by the SCCP function.	Per VPN context	Standard
sccp	sccp-routing-fail-invalid-isni-routing-req	INT32	Incremental	active	Total number of routing failures due to invalid intermediate signaling network identification (ISNI) information in the routing requested by the SCCP function.	Increments when the routing fails due to invalid ISNI information in the routing requested by the SCCP function.	Per VPN context	Standard
sccp	sccp-routing-fail-isni-constrained-routing	INT32	Incremental	active	Total number of routing failures due to constraints by the intermediate signaling network identification (ISNI) information in the routing requested by the SCCP function.	Increments when the routing fails due to constraints in the ISNI information in the routing requested by the SCCP function.	Per VPN context	Standard
sccp	routing	INT32	Incremental	active	information in the routing requested by the SCCP function.	SCCP function.	Per VPN context	Standard
sccp	sccp-routing-fail-redundant-isni-routing-req	INT32	Incremental	active	Total number of routing failures due to redundant intermediate signaling network identification (ISNI) information in the routing requested by the SCCP function.	Increments when the routing fails due to redundant ISNI information in the routing requested by the SCCP function.	Per VPN context	Standard
sccp	sccp-routing-fail-isni-identify-network	INT32	Incremental	active	Total number of routing failures due to missing intermediate signaling network identification (ISNI) information in the routing requested by the SCCP function.	Increments when the routing fails due to missing ISNI information in the routing requested by the SCCP function.	Per VPN context	Standard
sccp	sccp-inactivity-rcv-tmr-expired	INT32	Incremental	active	Total number of times the SCCP inactivity receive timer expired.	Increments when the SCCP inactivity receive timer expires.	Per VPN context	Standard
sccp	sccp-inactivity-test-sent	INT32	Incremental	active	Total number of SCCP Inactivity Test messages that were sent.	Increments when an SCCP Inactivity Test message is sent.	Per VPN context	Standard
sccp	sccp-inactivity-test-received	INT32	Incremental	active	Total number of SCCP Inactivity Test messages that were received.	Increments when an SCCP Inactivity Test message is received.	Per VPN context	Standard
ss7rd	ss7rd-number	INT32	Primary-key	active	Number identifying the SS7 routing domain	Not Defined	Not Defined	Standard
ss7rd	ss7rd-asp_instance	INT32	Primary-key	active	The Application Server Process instance in the SS7 Routing domain	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-init-tx	INT32	Incremental	active	Total number of SCTP Init chunks sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-init-rtx	INT32	Incremental	active	Total number of SCTP Init chunks resent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-init-rx	INT32	Incremental	active	Total number of SCTP Init chunks received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-init-ack-tx	INT32	Incremental	active	Total number of number INIT_ACKs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-init-ack-rx	INT32	Incremental	active	Total number of number INIT_ACKs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-tx	INT32	Incremental	active	Total number SHUTDOWNs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-sctp-shutdown-rtx	INT32	Incremental	active	Total number SHUTDOWNs resent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-rx	INT32	Incremental	active	Total Number SHUTDOWNs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-ack-tx	INT32	Incremental	active	Total number of SHUTDOWN_ACKs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-ack-rtx	INT32	Incremental	active	Total number of SHUTDOWN_ACKSs resent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-ack-rx	INT32	Incremental	active	Total number of SHUTDOWN_ACKs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-cookie-tx	INT32	Incremental	active	Total number of COOKIEs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-cookie-rtx	INT32	Incremental	active	Total number COOKIEs resent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-cookie-rx	INT32	Incremental	active	Total number of COOKIEs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-cookie-ack-tx	INT32	Incremental	active	Total number of COOKIE_ACKs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-cookie-ack-rx	INT32	Incremental	active	Total number COOKIE_ACKs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-data-tx	INT32	Incremental	active	Total number of DATAs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-data-rtx	INT32	Incremental	active	Total number of DATAs resent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-data-rx	INT32	Incremental	active	Total number of DATAs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-sack-tx	INT32	Incremental	active	Total number of SACKs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-sack-rx	INT32	Incremental	active	Total number of SACKs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-compl-tx	INT32	Incremental	active	Total number of Shutdown completed sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-shutdown-compl-rx	INT32	Incremental	active	Total number of Shutdown completed received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-heartbeat-tx	INT32	Incremental	active	Total number of HEARTBEATs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-heartbeat-rx	INT32	Incremental	active	Total number of HEARTBEATs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-heartbeat-ack-tx	INT32	Incremental	active	Total number of HBEAT_ACKs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-heartbeat-ack-rx	INT32	Incremental	active	Total number of HBEAT_ACKs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-abort-tx	INT32	Incremental	active	Total number of ABORTs sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-abort-rx	INT32	Incremental	active	Total number of ABORTs received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-error-tx	INT32	Incremental	active	Total number of Errors sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-error-rx	INT32	Incremental	active	Total number of Errors received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-bytes-tx	INT32	Incremental	active	Total number of bytes sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-sctp-bytes-rx	INT32	Incremental	active	Total number of bytes received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-data-tx	INT32	Incremental	active	Total number of M3UA DATA messages sent	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-duna-tx	INT32	Incremental	active	Total number of M3UA DUNA messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-dava-tx	INT32	Incremental	active	Total number of M3UA DAVA messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-daud-tx	INT32	Incremental	active	Total number of M3UA DAUD messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-scon-tx	INT32	Incremental	active	Total number of M3UA SCON messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-dupu-tx	INT32	Incremental	active	Total number of M3UA DUPU messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-drst-tx	INT32	Incremental	active	Total number of M3UA DRST messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-regreq-tx	INT32	Incremental	active	Total number of M3UA REG-REQ messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-regrsp-tx	INT32	Incremental	active	Total number of M3UA REG-RSP messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-deregreq-tx	INT32	Incremental	active	Total number of M3UA DEREG-REQ messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-deregrsp-tx	INT32	Incremental	active	Total number of M3UA DEREG-RSP messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspup-tx	INT32	Incremental	active	Total number of M3UA ASPUP messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspup-ack-tx	INT32	Incremental	active	Total number of M3UA ASPUP ACK messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspdn-tx	INT32	Incremental	active	Total number of M3UA ASPDN messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspdn-ack-tx	INT32	Incremental	active	Total number of M3UA ASPDN ACK messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspac-tx	INT32	Incremental	active	Total number of M3UA ASPAC messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspac-ack-tx	INT32	Incremental	active	Total number of M3UA ASPAC ACK messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspia-tx	INT32	Incremental	active	Total number of M3UA ASPIA messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspia-ack-tx	INT32	Incremental	active	Total number of M3UA ASPIA ACK messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-hearbeat-tx	INT32	Incremental	active	Total number of M3UA HBEAT messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-hearbeat-ack-tx	INT32	Incremental	active	Total number of M3UA HBEAT ACK messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-error-tx	INT32	Incremental	active	Total number of M3UA ERR messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-notify-tx	INT32	Incremental	active	Total number of M3UA NTFY messages sent per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-data-rx	INT32	Incremental	active	Total number of M3UA DATA messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-duna-rx	INT32	Incremental	active	Total number of M3UA DUNA messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-dava-rx	INT32	Incremental	active	Total number of M3UA DAVA messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-daud-rx	INT32	Incremental	active	Total number of M3UA DAUD messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-scon-rx	INT32	Incremental	active	Total number of M3UA SCON messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-dupu-rx	INT32	Incremental	active	Total number of M3UA DUPU messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-drst-rx	INT32	Incremental	active	Total number of M3UA DRST messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-regreq-rx	INT32	Incremental	active	Total number of M3UA REG-REQ messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-regrsp-rx	INT32	Incremental	active	Total number of M3UA REG-RSP messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-deregreq-rx	INT32	Incremental	active	Total number of M3UA DEREG-REQ messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-deregrsp-rx	INT32	Incremental	active	Total number of M3UA DEREG-RSP messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-aspup-rx	INT32	Incremental	active	Total number of M3UA ASPUP messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspup-ack-rx	INT32	Incremental	active	Total number of M3UA ASPUP ACK messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspdn-rx	INT32	Incremental	active	Total number of M3UA ASPDN messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspdn-ack-rx	INT32	Incremental	active	Total number of M3UA ASPDN ACK messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspac-rx	INT32	Incremental	active	Total number of M3UA ASPAC messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspac-ack-rx	INT32	Incremental	active	Total number of M3UA ASPAC ACK messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspia-rx	INT32	Incremental	active	Total number of M3UA ASPIA messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-aspia-ack-rx	INT32	Incremental	active	Total number of M3UA ASPIA ACK messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-hearbeat-rx	INT32	Incremental	active	Total number of M3UA HBEAT messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-hearbeat-ack-rx	INT32	Incremental	active	Total number of M3UA HBEAT ACK messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-error-rx	INT32	Incremental	active	Total number of M3UA ERR messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-notify-rx	INT32	Incremental	active	Total number of M3UA NTFY messages received per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-lower-intf-pdu-tx	INT32	Incremental	active	Total number of PDUs transmitted to lower interface (SCTP layer).	Availability : per SS7 routing domain(Proprietary)	per SS7 routing domain	Standard
ss7rd	ss7rd-m3ua-lower-intf-pdusize-tx	INT32	Incremental	active	Size of DATA PDUs transmitted on lower interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-lower-intf-pdu-rx	INT32	Incremental	active	Number of DATA PDUs received on lower interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-lower-intf-pdusize-rx	INT32	Incremental	active	Size of DATA PDUs received on lower interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-upper-intf-pdu-tx	INT32	Incremental	active	Number of DATA PDUs transmitted on upper interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-upper-intf-pdusize-tx	INT32	Incremental	active	Size of DATA PDUs transmitted on upper interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-upper-intf-pdu-rx	INT32	Incremental	active	Number of DATA PDUs received on upper interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-upper-intf-pdusize-rx	INT32	Incremental	active	Size of DATA PDUs received on upper interface per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-no-route-found	INT32	Incremental	active	Layer Data Error Statistics downward: no route found per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-pc-unvailable	INT32	Incremental	active	Layer Data Error Statistics downward: point code unavailable per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-pc-congested	INT32	Incremental	active	Layer Data Error Statistics downward: point code congested per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-no-psp-avail	INT32	Incremental	active	Layer Data Error Statistics downward: no PSP available per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-no-nsap-avail	INT32	Incremental	active	Layer Data Error Statistics downward: no NSAP available per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-msg-failed	INT32	Incremental	active	Layer Data Error Statistics downward: M3UA message failed per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-loadshare-failed	INT32	Incremental	active	Layer Data Error Statistics downward: load-sharing failed per SS7 Routing Domain.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-down-data-conges-q	INT32	Incremental	active	Layer Data Error Statistics downward: data queued in congested Q per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-down-data-as-pend-q	INT32	Incremental	active	Layer Data Error Statistics downward: data queued in AS pending Q per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-no-route-found	INT32	Incremental	active	Layer Data Error Statistics upward: no route found per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-pc-unvailable	INT32	Incremental	active	Layer Data Error Statistics upward: point code unavailable per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-pc-congested	INT32	Incremental	active	Layer Data Error Statistics upward: point code congested per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-no-psp-avail	INT32	Incremental	active	Layer Data Error Statistics upward: no PSP available per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-no-nsap-avail	INT32	Incremental	active	Layer Data Error Statistics upward: no NSAP available per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-msg-failed	INT32	Incremental	active	Layer Data Error Statistics upward: M3UA message failed per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-loadshare-failed	INT32	Incremental	active	Layer Data Error Statistics upward: load-sharing failed per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-data-conges-q	INT32	Incremental	active	Layer Data Error Statistics upward: data queued in congested Q per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-up-data-as-pend-q	INT32	Incremental	active	Layer Data Error Statistics upward: data queued in AS pending Q per SS7 Routing Domain.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-ps-id	INT32	Primary-key	active	Peer Server Identifier	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-instance	INT32	Primary-key	active	Peer Server Process Instance	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-tx	INT32	Incremental	active	Total number of M3UA PSP DATA messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-duna-tx	INT32	Incremental	active	Total number of M3UA PSP DUNA messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-dava-tx	INT32	Incremental	active	Total number of M3UA PSP DAVA messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-daud-tx	INT32	Incremental	active	Total number of M3UA PSP DAUD messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-scon-tx	INT32	Incremental	active	Total number of M3UA SCON messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-dupu-tx	INT32	Incremental	active	Total number of M3UA PSP DUPU messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-drst-tx	INT32	Incremental	active	Total number of M3UA PSP DRST messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-regreq-tx	INT32	Incremental	active	Total number of M3UA PSP REG-REQ messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-regrsp-tx	INT32	Incremental	active	Total number of M3UA PSP REG-RSP messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-deregreq-tx	INT32	Incremental	active	Total number of M3UA PSP DEREG-REQ messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-deregrsp-tx	INT32	Incremental	active	Total number of M3UA PSP DEREG-RSP messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspup-tx	INT32	Incremental	active	Total number of M3UA PSP ASPUP messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspup-ack-tx	INT32	Incremental	active	Total number of M3UA PSP ASPUP ACK messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspdn-tx	INT32	Incremental	active	Total number of M3UA PSP ASPDN messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspdn-ack-tx	INT32	Incremental	active	Total number of M3UA PSP ASPDN ACK messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-psp-aspac-tx	INT32	Incremental	active	Total number of M3UA PSP ASPAC messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspac-ack-tx	INT32	Incremental	active	Total number of M3UA PSP ASPAC ACK messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspia-tx	INT32	Incremental	active	Total number of M3UA PSP ASPIA messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspia-ack-tx	INT32	Incremental	active	Total number of M3UA PSP ASPIA ACK messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-hearbeat-tx	INT32	Incremental	active	Total number of M3UA PSP HBEAT messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-hearbeat-ack-tx	INT32	Incremental	active	Total number of M3UA PSP HBEAT ACK messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-error-tx	INT32	Incremental	active	Total number of M3UA PSP ERR messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-notify-tx	INT32	Incremental	active	Total number of M3UA PSP NTFY messages sent per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-rx	INT32	Incremental	active	Total number of M3UA PSP DATA messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-duna-rx	INT32	Incremental	active	Total number of M3UA PSP DUNA messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-dava-rx	INT32	Incremental	active	Total number of M3UA PSP DAVA messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-daud-rx	INT32	Incremental	active	Total number of M3UA PSP DAUD messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-scon-rx	INT32	Incremental	active	Total number of M3UA PSP SCON messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-dupu-rx	INT32	Incremental	active	Total number of M3UA PSP DUPU messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-drst-rx	INT32	Incremental	active	Total number of M3UA PSP DRST messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-regreq-rx	INT32	Incremental	active	Total number of M3UA PSP REG-REQ messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-regrsp-rx	INT32	Incremental	active	Total number of M3UA PSP REG-RSP messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-deregreq-rx	INT32	Incremental	active	Total number of M3UA PSP DEREG-REQ messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-deregrsp-rx	INT32	Incremental	active	Total number of M3UA DEREG-RSP messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspup-rx	INT32	Incremental	active	Total number of M3UA PSP ASPUP messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspup-ack-rx	INT32	Incremental	active	Total number of M3UA PSP ASPUP ACK messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspdn-rx	INT32	Incremental	active	Total number of M3UA PSP ASPDN messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspdn-ack-rx	INT32	Incremental	active	Total number of M3UA PSP ASPDN ACK messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspac-rx	INT32	Incremental	active	Total number of M3UA PSP ASPAC messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspac-ack-rx	INT32	Incremental	active	Total number of M3UA PSP ASPAC ACK messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-psp-aspia-rx	INT32	Incremental	active	Total number of M3UA PSP ASPIA messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-aspia-ack-rx	INT32	Incremental	active	Total number of M3UA PSP ASPIA ACK messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-hearbeat-rx	INT32	Incremental	active	Total number of M3UA PSP HBEAT messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-hearbeat-ack-rx	INT32	Incremental	active	Total number of M3UA PSP HBEAT ACK messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-error-rx	INT32	Incremental	active	Total number of M3UA PSP ERR messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-notify-rx	INT32	Incremental	active	Total number of M3UA PSP NTFY messages received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-pdu-tx	INT32	Incremental	active	Number of PSP DATA PDUs transmitted per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-pdusize-tx	INT32	Incremental	active	Size of DATA PDUs transmitted per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-pdu-rx	INT32	Incremental	active	Number of DATA PDUs received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-data-pdusize-rx	INT32	Incremental	active	Size of DATA PDUs received per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-no-route-found	INT32	Incremental	active	Layer Data Error Statistics: no route found per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-pc-unvailable	INT32	Incremental	active	Layer Data Error Statistics: point code unavailable per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-pc-unvailable	INT32	Incremental	active	Layer Data Error Statistics: point code congested per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-pc-congested	INT32	Incremental	active	Layer Data Error Statistics: point code congested per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-no-psp-avail	INT32	Incremental	active	Layer Data Error Statistics: no PSP available per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-no-nsap-avail	INT32	Incremental	active	Layer Data Error Statistics: no NSAP available per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-msg-failed	INT32	Incremental	active	Layer Data Error Statistics: M3UA message failed per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-loadshare-failed	INT32	Incremental	active	Layer Data Error Statistics: load-sharing failed per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-data-conges-q	INT32	Incremental	active	Layer Data Error Statistics: data queued in congested Q per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-up-data-as-pend-q	INT32	Incremental	active	Layer Data Error Statistics: data queued in AS pending Q per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-count	INT32	Incremental	active	Congestion count per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-level1	INT32	Incremental	active	Congestion level 1 per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-level2	INT32	Incremental	active	Congestion level 2 per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-level3	INT32	Incremental	active	Congestion level 3 per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-queue-size	INT32	Incremental	active	Congestion queue size per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-queue-hw	INT32	Incremental	active	Congestion queue Hw per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-congestion-duration	INT32	Incremental	active	Duration of Congestion per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-m3ua-psp-unvailable-count	INT32	Incremental	active	Unavailable count per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7rd	ss7rd-m3ua-psp-unvailable-duration	INT32	Incremental	active	Unavailable duration per SS7 Routing Domain, peer server ID, and PSP instance.	Not Defined	Not Defined	Standard
ss7rd	ss7rd-mtp3-user-part-unavail-tx	INT32	Incremental	active	Total number of MTP3 User-part Unavailable messages that were sent.	Increments when a message is sent. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	Per SS7 routing domain	Standard
ss7rd	ss7rd-mtp3-traffic-restart-allowed-tx	INT32	Incremental	active	Total number of MTP3 Traffic Restart Allowed messages that were sent.	Increments when the first signalling link of a signalling linkset is available. in the case of an ANSI variant, when a Traffic Restart Waiting message is received. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	per SS7 routing domain	Standard
ss7rd	ss7rd-mtp3-traffic-restart-waiting-tx	INT32	Incremental	active	Total number of MTP3 Traffic Restart Waiting messages that were sent.	Increments when the first signalling link of a signalling link set is available. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	Not Defined	Standard
ss7rd	ss7rd-mtp3-user-part-unavail-rx	INT32	Incremental	active	Total number of MTP3 User-part Unavailable messages that were received.	Increments when a message is received. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	Not Defined	Standard
ss7rd	ss7rd-mtp3-traffic-restart-allowed-rx	INT32	Incremental	active	Total number of MTP3 Traffic Restart Allowed messages that were received.	Increments when a message is received. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	per SS7 routing domain	Standard
ss7rd	ss7rd-mtp3-traffic-restart-waiting-rx	INT32	Incremental	active	Total number of MTP3 Traffic Restart Waiting messages that were received.	Incremenets when a message is received. Availability : per SS7 routing domain (ITU Q.704, ANSI T1.114)	per SS7 routing domain	Standard
ss7rd	ss7rd-mtp3-msu-dropped-routing-err	INT32	Incremental	active	Total number of M3UA messages dropped due to routing error.	Increments for anyone of the following: signalling point code restart, route restart, no route found, no NSAP found, invalid SLS, invalid link type, invalid data.	per SS7 routing domain	Standard
ss7rd	ss7-adjacent-point-code	INT32	Primary-key	active	Adjacent Point Code	Not Defined	Not Defined	Standard
ss7rd	ss7-adjacent-spc-not-accessible	INT32	Incremental	active	Total number of failures to access the adjacent (directly connected via SS7 link) signaling point code (SPC) element, such as the RNC, HLR, signaling gateway, etc.,.	Increments when the adjacent SPC goes to unavailable state from available state, possibly due to: - all SS7 links connected to the adjacent SPC are unavailable - the adjacent SPC is made inaccessible by management	per adjacent point code	Standard
ss7link	ss7rd-number	INT32	Primary-key	active	Number identifying the SS7 routing domain	Not Defined	Not Defined	Standard
ss7link	ss7-linkset-id	INT32	Primary-key	active	Link set identifier	Not Defined	Not Defined	Standard
ss7link	ss7-link-id	INT32	Primary-key	active	Link identifier	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeover-order-tx	INT32	Incremental	active	Changeover order sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-link-mtp3-changeover-order-rx	INT32	Incremental	active	Changeover order received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeover-order-ack-tx	INT32	Incremental	active	Changeover order acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeover-order-ack-rx	INT32	Incremental	active	Changeover order acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeback-declaration-tx	INT32	Incremental	active	Change-back declaration sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeback-declaration-rx	INT32	Incremental	active	Change-back declaration received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeback-ack-tx	INT32	Incremental	active	Change-back acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-changeback-ack-rx	INT32	Incremental	active	Change-back acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-emergency-changeover-tx	INT32	Incremental	active	Emergency Changeover sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-emergency-changeover-rx	INT32	Incremental	active	Emergency Changeover received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-emergency-changeover-ack-tx	INT32	Incremental	active	Emergency Changeover acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-emergency-changeover-ack-rx	INT32	Incremental	active	Emergency Changeover acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-tx	INT32	Incremental	active	Link Inhibit sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-rx	INT32	Incremental	active	Link Inhibit received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-ack-tx	INT32	Incremental	active	Link Inhibit acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-ack-rx	INT32	Incremental	active	Link Inhibit acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-uninhibit-tx	INT32	Incremental	active	Link Uninhibit sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-uninhibit-rx	INT32	Incremental	active	Link Uninhibit received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-uninhibit-ack-tx	INT32	Incremental	active	Link Uninhibit acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-uninhibit-ack-rx	INT32	Incremental	active	Link Uninhibit acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-deny-tx	INT32	Incremental	active	Link Inhibit Denied sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibit-deny-rx	INT32	Incremental	active	Link Inhibit Denied received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-force-uninhibit-tx	INT32	Incremental	active	Link force uninhibit sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-force-uninhibit-rx	INT32	Incremental	active	Link force uninhibit received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-local-inhibit-test-tx	INT32	Incremental	active	Link local inhibit test sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-local-inhibit-test-rx	INT32	Incremental	active	Link local inhibit test received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-remote-inhibit-test-tx	INT32	Incremental	active	Link remote inhibit test sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-remote-inhibit-test-rx	INT32	Incremental	active	Link remote inhibit test received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-link-mtp3-connection-order-tx	INT32	Incremental	active	Link connection order sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-connection-order-rx	INT32	Incremental	active	Link connection order received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-connection-order-ack-tx	INT32	Incremental	active	Link connection order acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-connection-order-ack-rx	INT32	Incremental	active	Link connection order acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-test-tx	INT32	Incremental	active	Link Test sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-test-rx	INT32	Incremental	active	Link Test received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-test-ack-tx	INT32	Incremental	active	Link Test acknowledgement sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-test-ack-rx	INT32	Incremental	active	Link Test acknowledgement received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sif-octet-tx	INT32	Incremental	active	SIF octets sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sif-octet-rx	INT32	Incremental	active	SIF octets received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sio-octet-tx	INT32	Incremental	active	SIO octet sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sio-octet-rx	INT32	Incremental	active	SIO octet received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sio-msu-tx	INT32	Incremental	active	MSUs sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-sio-msu-rx	INT32	Incremental	active	MSUs received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-tx-msu-dropped	INT32	Incremental	active	MSUs dropped per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-tx-msu-congestion-dropped	INT32	Incremental	active	MSUs dropped due to congestion per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-invalid-pdu-rx	INT32	Incremental	active	Invalid PDUs received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-congestion-threshold1	INT32	Incremental	active	Link congestion threshold 1 per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-congestion-threshold2	INT32	Incremental	active	Link congestion threshold 2 per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-congestion-threshold3	INT32	Incremental	active	Link congestion threshold 3 per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-unavail-duration	INT32	Incremental	active	Link unavailable duration per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-congested-duration	INT32	Incremental	active	Link Congested duration per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-mtp3-inhibited-duration	INT32	Incremental	active	Total inhibited duration of the SS7 MTP3 link in deci-seconds. This counter is specific to releases 8.1 and higher.	1. Increments when the SGSN's MTP3 link is inhibited, using a management operation command, for maintenance or testing purposes. 2. Increments when the SGSN receives an Inhibit MTP3 message from the remote end.	per MTP3 layer of the SS7 link	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-signalling-link-failure	INT32	Incremental	active	Total number of times the MTP3 link has failed between the SGSN and another network element and caused a loss of link connectivity.	Increments when SS7 signaling link goes to inactive state from active state due to link failure due to: - physical link failure - peer restarts - link is put-down by management for maintenance - no response from the peer node and the SSCOP link 'keep-alive-timer timeslot	per SS7 routing domain, per linkset, per link	Standard
ss7link	ss7-dpc-point-code	INT32	Primary-key	active	Destination Point Code	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-route-set-test-msg-tx	INT32	Incremental	active	Route set test messages sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-route-set-test-prohibited-tx	INT32	Incremental	active	Total number of times the signalling-route-set-test signal for prohibited destination (RST) is transmitted.	Increments each time the RST is started.	per destination point code	Standard
ss7link	ss7-dpc-route-set-test-restricted-tx	INT32	Incremental	active	Total number of times the signalling-route-set-test signal for restricted destination (RSR) is transmitted.	Increments each time the RCR is started.	Per destination point code	Standard
ss7link	ss7-dpc-route-set-congestion-test-msg-tx	INT32	Incremental	active	Route set congestion test message sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-prohibited-tx	INT32	Incremental	active	Transfer prohibited sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-restricted-tx	INT32	Incremental	active	Transfer restricted sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-allowed-tx	INT32	Incremental	active	Transfer allowed sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-controlled-tx	INT32	Incremental	active	Transfer controlled sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-sif-octets-tx	INT32	Incremental	active	Number of SIF octets sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-sio-octets-tx	INT32	Incremental	active	Number of SIO octets sent per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-route-set-test-msg-rx	INT32	Incremental	active	Route set test message received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-route-set-test-prohibited-rx	INT32	Incremental	active	Total number of times the signalling-route-set-test signal for prohibited destination (RST) is received.	Increments each time the RST is received.	per destination point code	Standard
ss7link	ss7-dpc-route-set-test-restricted-rx	INT32	Incremental	active	Total number of times the signalling-route-set-test signal for prohibited destination (RCR) is received.	Increments each time the RCR is received.	per destination point code	Standard
ss7link	ss7-dpc-route-set-congestion-test-msg-rx	INT32	Incremental	active	Route set congestion test message received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-prohibited-rx	INT32	Incremental	active	Transfer prohibited received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-restricted-rx	INT32	Incremental	active	Transfer restricted received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-allowed-rx	INT32	Incremental	active	Transfer allowed received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-transfer-controlled-rx	INT32	Incremental	active	Transfer controlled received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-usn-msg-rx	INT32	Incremental	active	Number of USN message received per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-unavailable-duration	INT32	Incremental	active	Route Unavailable duration per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard
ss7link	ss7-dpc-unavailable-count	INT32	Incremental	active	Route unavailable count per SS7 Routing Domain ID and Destination Point Code.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-link-sscf-mtp3-frames-tx	INT32	Incremental	active	MTP3 Frames sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-out-of-service-pdu-tx	INT32	Incremental	active	Out of service Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-processor-outage-tx	INT32	Incremental	active	Processor outage Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-in-service-pdu-tx	INT32	Incremental	active	In service Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-normal-pdu-tx	INT32	Incremental	active	Normal Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-emergency-pdu-tx	INT32	Incremental	active	Emergency Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-alignment-not-successfull-pdu-tx	INT32	Incremental	active	Alignment not successful Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-management-initiated-pdu-tx	INT32	Incremental	active	Management initiated Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-protocol-error-pdu-tx	INT32	Incremental	active	Protocol error pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-proving-not-successfull-pdu-tx	INT32	Incremental	active	Proving not successful Pdu sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-mtp3-frames-rx	INT32	Incremental	active	MTP3 Frames received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-out-of-service-pdu-rx	INT32	Incremental	active	Out of service Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-out-of-service-pdu-rx	INT32	Incremental	active	Processor outage Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-processor-outage-rx	INT32	Incremental	active	In service Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-in-service-pdu-rx	INT32	Incremental	active	Normal Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-normal-pdu-rx	INT32	Incremental	active	Emergency Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-emergency-pdu-rx	INT32	Incremental	active	Alignment not successful Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-alignment-not-successfull-pdu-rx	INT32	Incremental	active	Management initiated Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-management-initiated-pdu-rx	INT32	Incremental	active	Protocol error PDU received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-protocol-error-pdu-rx	INT32	Incremental	active	Proving not successful Pdu received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-sscf-proving-not-successfull-pdu-rx	INT32	Incremental	active	Virtual path identifier per SS7 Routing Domain ID, Linkset ID, and Link ID used for the Quasi Signaling Application Adaptation Layer (QSAAL).	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-vpi	INT32	Incremental	active	Virtual channel identifier per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-vci	INT32	Incremental	active	Request Initialization (BGN) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-req-initialization-tx	INT32	Incremental	active	Request Acknowledgement (BGAK) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-req-ack-tx	INT32	Incremental	active	Connection Reject (BGREJ) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-connection-reject-tx	INT32	Incremental	active	Disconnect Command (END) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-disconnect-command-tx	INT32	Incremental	active	Disconnect Acknowledgement (ENDAK) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-disconnect-ack-tx	INT32	Incremental	active		Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-link-qsaal-resynchronization-command-tx	INT32	Incremental	active	Resynchronization Command (RS) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-resynchronization-ack-tx	INT32	Incremental	active	Resynchronization Acknowledgement (RSAK) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-recovery-command-tx	INT32	Incremental	active	Recovery Command (ER) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-recovery-ack-tx	INT32	Incremental	active	Recovery Acknowledgement (ERAK) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-seq-connection-mode-data-tx	INT32	Incremental	active	Sequenced Connection-mode Data (SD) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-poll-tx	INT32	Incremental	active	Transmitter State Information with request for Receive State Information (POLL) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-stat-tx	INT32	Incremental	active	Solicited Receiver State Information (STAT) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-ustat-tx	INT32	Incremental	active	Unsolicited Receiver State Information (USTAT) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unnumbered-user-data-tx	INT32	Incremental	active	Unnumbered User Data (UD) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unnumbered-management-data-tx	INT32	Incremental	active	Unnumbered Management Data (MD) sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unknown-pdu-type-tx	INT32	Incremental	active	Unknown PDU Type sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-tx-discarded-sdus	INT32	Incremental	active	SDUs discarded sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-tx-pdus-error-pdus	INT32	Incremental	active	PDUs with error sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-tx-discarded-pdus	INT32	Incremental	active	PDUs discarded sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-tx-buffer-in-use-counter	INT32	Incremental	active	Buffer in-use counter sent per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-tx-buffer-in-use-gauge	INT32	Incremental	active	Buffer in-use gauge sent per SS7 Routing Domain ID, Linkset ID, and Link ID. This statistic value is of Gauge.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-req-initialization-rx	INT32	Incremental	active	Request Initialization (BGN) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-req-ack-rx	INT32	Incremental	active	Request Acknowledgement (BGAK) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-connection-reject-rx	INT32	Incremental	active	Connection Reject (BGREJ) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-disconnect-command-rx	INT32	Incremental	active	Disconnect Command (END) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-disconnect-ack-rx	INT32	Incremental	active	Disconnect Acknowledgement (ENDAK) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-resynchronization-command-rx	INT32	Incremental	active	Resynchronization Command (RS) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-resynchronization-ack-rx	INT32	Incremental	active	Resynchronization Acknowledgement (RSAK) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-recovery-command-rx	INT32	Incremental	active	Recovery Command (ER) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-recovery-ack-rx	INT32	Incremental	active	Recovery Acknowledgement (ERAK) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-seq-connection-mode-data-rx	INT32	Incremental	active	Sequenced Connection-mode Data (SD) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ss7link	ss7-link-qsaal-poll-rx	INT32	Incremental	active	Transmitter State Information with request for Receive State Information (POLL) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-stat-rx	INT32	Incremental	active	Solicited Receiver State Information (STAT) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-ustat-rx	INT32	Incremental	active	Unsolicited Receiver State Information (USTAT) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unnumbered-user-data-rx	INT32	Incremental	active	Unnumbered User Data (UD) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unnumbered-management-data-rx	INT32	Incremental	active	Unnumbered Management Data (MD) received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-unknown-pdu-type-rx	INT32	Incremental	active	Unknown PDU Type received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-rx-pdus-error-pdus	INT32	Incremental	active	PDUs with error received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-rx-discarded-pdus	INT32	Incremental	active	PDUs discarded received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-rx-buffer-in-use-counter	INT32	Incremental	active	Buffer in-use counter received per SS7 Routing Domain ID, Linkset ID, and Link ID.	Not Defined	Not Defined	Standard
ss7link	ss7-link-qsaal-rx-buffer-in-use-gauge	INT32	Incremental	active	Buffer in-use gauge received per SS7 Routing Domain ID, Linkset ID, and Link ID. This statistic value is of Gauge.	Not Defined	Not Defined	Standard
gprs	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
gprs	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the GPRS service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
gprs	servname	STRING	Primary-key	active	The name of the SLs service for which these statistics are being displayed.	Configuration	Per GPRS Service	Standard
gprs	nse-id	INT32	Primary-key	active	Description The network service entity identifier in this GPRS service.	Not Applicable	Not Defined	Standard
gprs	ns-num-bytes-rvcd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-bytes-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-nsvc-failed	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-nsvc-congest	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unit-data-msg-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unit-data-msg-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-alive-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-alive-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-alive-ack-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-alive-ack-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-block-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-block-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-block-ack-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-block-ack-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unblock-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unblock-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unblock-ack-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-unblock-ack-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-reset-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-reset-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-reset-ack-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-reset-ack-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-status-pdu-rcvd	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	ns-num-status-pdu-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	num-sns-size-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) size messages received by the SGSN.	Increments upon receiving the SNS size from the BSC.	Per SGSN	Standard
gprs	num-sns-size-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of ACK messages sent for Sub-Network Service (SNS) messages by the network service entity.	Increments after sending a SNS size ACK to the BSC.	Per SGSN	Standard
gprs	num-sns-size-fail-rcvd-unknown-nse	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS size messages failed due to unknown network service entity.	Increments upon receiving SNS size messages from an unknown NSE (such as a BSC) with the reset flag unset.	Per SGSN	Standard
gprs	num-sns-config-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages received by the SGSN.	Increments upon receiving SNS configuration from the BSC.	Per SGSN	Standard
gprs	num-sns-config-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages sent by the SGSN.	Increments after sending SNS configuration to the BSC.	Per SGSN	Standard
gprs	num-sns-config-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration ACK messages sent by the SGSN.	Increments after sending SNS configuration ACK to the BSC.	Per SGSN	Standard
gprs	num-sns-config-ack-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration ACK messages received by the SGSN.	Increments upon receiving SNS configuration ACK from the BSC.	Per SGSN	Standard
gprs	sns-config-fail-rcv-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed as received packet data unit was not compatible with the message state in the SGSN.	Not Defined	Per SGSN	Standard
gprs	sns-config-fail-sent-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed as sent packet data unit was not compatible with the message state in the peer entity.	Not Defined	Per SGSN	Standard
gprs	sns-config-fail-rcv-inval-ipv4-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid number of IPv4 endpoints in a received message.	Increments when the number of IPv4 endpoints received in an SNS configuration message exceeds the maximum number of endpoints (received in SNS size messages).	Per SGSN	Standard
gprs	sns-config-fail-sent-inval-ipv4-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid number of IPv4 endpoints in a sent message.	Increments upon receiving SNS configuration ACK from a BSC with cause indicating an invalid number of IPv4 endpoints.	Per SGSN	Standard
gprs	sns-config-fail-rcv-inval-ipv6-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid number of IPv6 endpoints in a received message.	Increments when the number of IPv6 endpoints received in an SNS configuration message exceeds the maximum number of endpoints (received in SNS size messages).	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sns-config-fail-sent-inval-ipv6-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid number of IPv6 endpoints in sent message.	Increments upon receiving SNS configuration ACK from a BSC with cause indicating an invalid number of IPv6 endpoints.	Per SGSN	Standard
gprs	sns-config-fail-rcv-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to an unspecified protocol error in a received message.	Not Defined	Per SGSN	Standard
gprs	sns-config-fail-sent-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to unspecified protocol error in a sent message.	Increments upon receiving SNS configuration ACK from a BSC with cause indicating an unspecified protocol error.	Per SGSN	Standard
gprs	sns-config-fail-rcv-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid mandatory parameters in a received message.	Increments upon receiving SNS configuration with an IP address of 0.0.0.0 or 255.255.255.255.	Per SGSN	Standard
gprs	sns-config-fail-sent-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid mandatory parameters in a sent message.	Not Defined	Per SGSN	Standard
gprs	sns-config-fail-rcv-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to internal error in a received message.	Increments upon receiving an unexpected SNS configuration or the peer NSVL configuration fails in the SGSN due to a software issue.	Per SGSN	Standard
gprs	sns-config-fail-sent-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to internal error in a sent message.	Not Defined	Per SGSN	Standard
gprs	sns-config-fail-rcv-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid weight bit in a received message.	Increments when the total signaling or data weight of all endpoints received in the SNS configuration is zero.	Per SGSN	Standard
gprs	sns-config-fail-sent-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration messages failed due to invalid weight bit in a sent message.	Increments upon receiving SNS configuration ACK from a BSC with cause indicating invalid weights.	Per SGSN	Standard
gprs	sns-config-fail-sent-no-rsp-from-peer	INT32	Incremental	active	This proprietary statistic indicates the total number of Sub-Network Service (SNS) configuration message failed due to no response from a peer.	Increments following the expiration of a TSNS provisioning (all attempts over) for a SNS configuration.	Per SGSN	Standard
gprs	num-sns-add-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages received.	Increments upon receiving an SNS-ADD message.	Per SGSN	Standard
gprs	num-sns-add-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages sent.	Increments after sending an SNS-ADD message.	Per SGSN	Standard
gprs	sns-add-fail-rcv-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed as received packet data unit was not compatible with the message state in the SGSN.	Not Defined	Per SGSN	Standard
gprs	sns-add-fail-sent-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed as sent packet data unit was not compatible with the message state in the peer entity.	Increments upon receiving an SNS-ACK with a cause code indicating the PDU is not compatible with the protocol for the SNS-ADD message.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sns-add-fail-rcv-inval-ipv4-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to an invalid number of IPv4 endpoints in a received message.	Increments when the number of IPv4 endpoints received in an SNS-ADD message plus the number of IPv4 endpoints received in the SNS configuration exceeds the maximum number of endpoints (as received in the SNS size message).	Per SGSN	Standard
gprs	sns-add-fail-sent-inval-ipv4-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid number of IPv4 endpoints in a sent message.	Increments on receiving SNS-ACK with cause invalid number of IPv4 endpoints for SNS-ADD.	Per SGSN	Standard
gprs	sns-add-fail-rcv-inval-ipv6-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid number of IPv6 endpoints in a received message.	Increments when the number of IPv6 endpoints received in an SNS-ADD message plus the number of IPv6 endpoints received in the SNS configuration exceeds the maximum number of endpoints (as received in the SNS size message).	Per SGSN	Standard
gprs	sns-add-fail-sent-inval-ipv6-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid IPv6 address of endpoint in a sent message.	Increments on receiving SNS-ACK with cause invalid number of IPv6 endpoints for SNS-ADD.	Per SGSN	Standard
gprs	sns-add-fail-rcv-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to an unspecified protocol error in a received message.	Increments when an SNS-ADD is received before the SNS configuration.	Per SGSN	Standard
gprs	sns-add-fail-sent-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to unspecified protocol error in sent message.	Increments on receiving SNS-ACK with cause protocol error-unspecified.	Per SGSN	Standard
gprs	sns-add-fail-rcv-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid mandatory parameters in received message.	Increments upon receiving an SNS-ADD containing an IP address of 0.0.0.0 or 255.255.255.255.	Per SGSN	Standard
gprs	sns-add-fail-sent-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid mandatory parameters in sent message.	Not Defined	Per SGSN	Standard
gprs	sns-add-fail-rcv-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to internal error in received message.	Increments upon receiving an SNS-ADD if the SGSN is not able to create an NSVC towards the new remote endpoint due to an internal error.	Per SGSN	Standard
gprs	sns-add-fail-sent-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to internal error in sent message.	Increments after sending an SNS-ACK with a cause code indicating equipment failure for the SNS-ADD.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sns-add-fail-rcv-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid weight bit in received message.	Increments upon receiving an SNS-ADD if the total sum of the signaling or data weight of all remote endpoint is 0 (zero).	Per SGSN	Standard
gprs	sns-add-fail-sent-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to invalid weight bit in sent message.	Increments after sending an SNS-ACK with a cause code indicating invalid weights for the SNS-ADD.	Per SGSN	Standard
gprs	sns-add-fail-sent-no-rsp-from-peer	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ADD messages failed due to no response from peer.	Increments following the expiration of a TSNS-PROV (all attempts over) for SNS-ADD.	Per SGSN	Standard
gprs	num-sns-delete-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages received.	Increments upon receiving a SNS-DELETE message.	Per SGSN	Standard
gprs	num-sns-delete-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages sent.	Increments after sending a SNS-DELETE message.	Per SGSN	Standard
gprs	sns-delete-fail-rcv-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed as received packet data unit was not compatible with the message state in the SGSN.	Not Defined	Per SGSN	Standard
gprs	sns-delete-fail-sent-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed as sent packet data unit was not compatible with the message state in the remote entity.	Increments upon receiving an SNS-ACK with a cause code indicating the PDU is not compatible with the protocol for the SNS-DELETE message.	Per SGSN	Standard
gprs	sns-delete-fail-rcv-unknown-ip-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to an unknown IP endpoint in a received message.	Increments when a SNS-DELETE is received from an unknown NSE or the SNS-DELETE contains all unknown IP endpoints.	Per SGSN	Standard
gprs	sns-delete-fail-sent-unknown-ip-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to unknown endpoint in a sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-DELETE message contains unknown IP endpoints.	Per SGSN	Standard
gprs	sns-delete-fail-rcv-unknown-ip-address	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to invalid IP address in a received message.	Increments when the SNS-DELETE contains an unknown IP address.	Per SGSN	Standard
gprs	sns-delete-fail-sent-unknown-ip-address	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to invalid IP address in a sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-DELETE message contained an unknown IP address.	Per SGSN	Standard
gprs	sns-delete-fail-rcv-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to unspecified protocol error in received message.	Not Defined	Per SGSN	Standard
gprs	sns-delete-fail-sent-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to unspecified protocol error in sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-DELETE message contained an unspecified protocol error.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sns-delete-fail-rcv-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to invalid mandatory parameters in received message.	Not Defined	Per SGSN	Standard
gprs	sns-delete-fail-sent-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to invalid mandatory parameters in sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-DELETE message contained an invalid essential information element (IE).	Per SGSN	Standard
gprs	sns-delete-fail-rcv-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to internal error in received message.	Not Defined	Per SGSN	Standard
gprs	sns-delete-fail-sent-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to internal error in sent message.	Increments after sending an SNS-ACK with a cause code indicating internal error for the SNS-DELETE.	Per SGSN	Standard
gprs	sns-delete-fail-sent-no-rsp-from-peer	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-DELETE messages failed due to no response from peer.	Increments following the expiration of TSNS provisioning (all attempts over) for SNS-DELETE.	Per SGSN	Standard
gprs	num-sns-cw-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight size messages received by the SGSN.	Increments upon receiving a SNS-change-weight message.	Per SGSN	Standard
gprs	num-sns-cw-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN.	Increments after sending a SNS-change-weight message.	Per SGSN	Standard
gprs	sns-cw-fail-rcv-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages that failed as the received PDU was not compatible with the message state.	Increments upon receiving an SNS-change-weight from an unknown NSE.	Per SGSN	Standard
gprs	sns-cw-fail-sent-pdu-not-compat-state	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed because the sent PDU was not compatible with the message state.	Increments after sending an SNS-ACK with a cause code indicating the PDU is not compatible with the protocol for the SNS-change-weight message.	Per SGSN	Standard
gprs	sns-cw-fail-rcv-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages that failed due to invalid weight in the received message.	Increments when applying the weights received in a SNS-change-weight message would result in the total weight equaling zero.	Per SGSN	Standard
gprs	sns-cw-fail-sent-inval-weight	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed due to invalid weight in the sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-change-weight message contains invalid weights.	Per SGSN	Standard
gprs	sns-cw-fail-rcv-unknown-ip-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages that failed due to unknown IP endpoint in the received message.	Increments when the SGSN receives an SNS-change-weight message containing an unknown IP endpoint.	Per SGSN	Standard
gprs	sns-cw-fail-sent-unknown-ip-endpt	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed due to unknown IP endpoint in the sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-change-weight message contained an unknown IP endpoint.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sns-cw-fail-rcv-unknown-ip-addr	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages that failed due to an unknown IP address in the received message.	Not Defined	Per SGSN	Standard
gprs	sns-cw-fail-sent-unknown-ip-addr	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed due to unknown IP address in sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-change-weight message contained an unknown IP address.	Per SGSN	Standard
gprs	sns-cw-fail-rcv-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight message failed due to unspecified protocol error in received message.	Not Defined	Per SGSN	Standard
gprs	sns-cw-fail-sent-prot-err-unspec	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight message sent by the SGSN failed due to unspecified protocol error in sent message.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-change-weight message contained an unspecified protocol error.	Per SGSN	Standard
gprs	sns-cw-fail-rcv-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight message failed due to invalid mandatory parameters in received message.	Not Defined	Per SGSN	Standard
gprs	sns-cw-fail-sent-inval-essential-param	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN which failed due to invalid mandatory parameters in the sent messages.	Increments upon receiving an SNS-ACK with a cause code indicating the SNS-change-weight message contained an invalid essential information element (IE).	Per SGSN	Standard
gprs	sns-cw-fail-rcv-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages that failed due to internal error(s) in the received message.	Not Defined	Per SGSN	Standard
gprs	sns-cw-fail-sent-internal-err	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed due to internal error(s) in the sent message.	Increments after sending an SNS-ACK with a cause code indicating equipment failure for the SNS-change-weight.	Per SGSN	Standard
gprs	sns-cw-fail-sent-no-rsp-from-peer	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-change-weight messages sent by the SGSN that failed due to no response from the peer.	Increments following the expiration of a TSNS provisioning attempt for a SNS-change-weight.	Per SGSN	Standard
gprs	sns-num-ack-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ACK messages received.	Increments upon receiving an SNS-ACK.	Per SGSN	Standard
gprs	sns-num-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of SNS-ACK messages sent.	Increments after sending an SNS-ACK.	Per SGSN	Standard
gprs	sns-num-unknown-msg	INT32	Incremental	active	This proprietary statistic indicates the total number of unknown messages received.	Not Defined	Per SGSN	Standard
gprs	sns-num-status-pdu-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of NS-STATUS messages sent in response to SNS messages or because of NSVC going down.	Not Defined	Per SGSN	Standard
gprs	bssgp-total-usr-req-drop	INT32	Incremental	active	This proprietary statistic indicates the total number of LLC packets dropped at the BSSGP layer.	Increments upon dropping of an LLC packet.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-unknown-bvci	INT32	Incremental	active	This proprietary statistic indicates the total number of LLC packets dropped at the BSSGP layer because of unknown BVC.	Increments upon dropping of an LLC packet due to unknown BVC.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	bssgp-usr-req-drop-blocked-bvc	INT32	Incremental	active	This proprietary statistic indicates the total number of LLC packets dropped at the BSSGP layer because of blocked BVC.	Increments upon dropping of an LLC packet due to blocked BVC.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-encoding-fail	INT32	Incremental	active	This proprietary statistic indicates the total number of LLC packets dropped at the BSSGP layer because of encoding failure.	Increments upon dropping of an LLC packet due to encoding failure.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-flow-ctrl-rvcd	INT32	Incremental	active	This proprietary statistic indicates the total number of flow control BVC messages received from the BSC.	Increments upon receipt of a flow control BVC message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-flow-ctrl-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of flow control BVC ACK messages sent to the BSC	Increments after sending a flow control BVC ACK message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-block-rvcd	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC-Block messages received from the BSC.	Increments upon receiving a BVC-Block message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-block-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC BLOCK ACK messages sent.	Increments after sending a BVC-Block-Ack message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-unblock-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC UNBLOCK messages received.	Increments upon receiving a BVC-Unblock message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-unblock-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC UNBLOCK ACK messages sent.	Increments after sending a BVC-Unblock-Ack message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-reset-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC RESET messages sent.	Increments after sending a BVC-Reset message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-reset-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC RESET messages received.	Increments upon receiving a BVC-Reset message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-reset-ack-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC RESET ACK messages sent.	Increments after sending a BVC-Reset-Ack message.	Per SGSN	Standard
gprs	bssgp-usr-req-drop-bvc-reset-ack-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC RESET ACK messages received.	Increments upon receiving a BVC-Reset-Ack message.	Per SGSN	Standard
gprs	bssgp-bvc-status-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC status messages sent.	Increments after sending a BVC-Status message.	Per SGSN	Standard
gprs	bssgp-bvc-status-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BVC status messages received.	Increments upon receiving a BVC-Status message.	Per SGSN	Standard
gprs	bssgp-flush-llc-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP FLUSH LL (Logical Link) messages sent.	Increments after sending a Flush-LL message.	Per SGSN	Standard
gprs	bssgp-flush-llc-ack-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP FLUSH LL (Logical Link) ACK messages received.	Increments upon receiving a Flush-LL-Ack message.	Per SGSN	Standard
gprs	bssgp-cs-paging-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP circuit switched (CS) paging messages sent.	Increments after sending a CS-Paging message.	per SGSN	Standard
gprs	bssgp-ps-paging-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP packet switched (PS) paging messages sent.	Increments after sending a PS-Paging message.	Per SGSN	Standard
gprs	bssgp-ra-cap-update-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP routing area (RA) capability update messages received.	Increments upon receiving a RA-Capability-Update message.	Per SGSN	Standard
gprs	bssgp-ra-cap-update-ack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP routing area (RA) capability update messages sent.	Increments after sending a RA-Capability-Update-Ack message.	Per SGSN	Standard
gprs	bssgp-radio-status-msg-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
gprs	bssgp-radio-status-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP radio status messages received.	Increments upon receiving a Radio-Status message.	Per SGSN	Standard
gprs	bssgp-suspend-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP SUSPEND messages received.	Increments upon receiving a BSSGP-Suspend message.	Per SGSN	Standard
gprs	bssgp-suspend-ack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP SUSPEND Acks sent.	Increments after sending a BSSGP-Suspend-Ack message.	Per SGSN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	bssgp-suspend-nack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP SUSPEND NAcks sent.	Increments after sending a BSSGP-Suspend-Nak message.	Per SGSN	Standard
gprs	bssgp-resume-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP RESUME messages received.	Increments upon receiving a BSSGP-Resume message.	Per SGSN	Standard
gprs	bssgp-resume-ack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP RESUME Acks sent.	Increments after sending a BSSGP-Resume-Ack message.	Per SGSN	Standard
gprs	bssgp-resume-nack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP RESUME NAcks sent.	Increments after sending a BSSGP-Resume-Nak message.	Per SGSN	Standard
gprs	bssgp-downlink-unitdata-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP unit data sent in downlink direction (towards MS).	Increments after sending a BSSGP DL-UNITDATA message.	Per SGSN	Standard
gprs	bssgp-uplink-unitdata-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP unit data received in uplink direction (towards network).	Increments upon receiving a BSSGP UL-UNITDATA message.	Per SGSN	Standard
gprs	bssgp-llc-pdu-discard-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of LLC PDU discard messages received.	Increments upon receiving a LLC-Discard message.	Per SGSN	Standard
gprs	bssgp-pkt-drop-flow-ctrl-queue-full	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP packets dropped because the flow control buffer was full.	Increments after dropping a downlink packet in the BSSGP layer due to a full flow control queue.	Per SGSN	Standard
gprs	bssgp-downlink-pkt-drop	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP packets dropped in downlink direction.	Increments after dropping a downlink packet in the BSSGP layer.	Per GPRS	Standard
gprs	bssgp-ms-flow-ctrl-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of MS flow control messages received.	Increments upon receiving a MS-Flow-Control message.	Per GPRS	Standard
gprs	bssgp-ms-flow-ctrl-ack-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of MS flow control ACK messages sent.	Increments after sending a MS-Flow-Control-Ack message.	Per GPRS	Standard
gprs	bssgp-bvc-unknown-ms-status-msg-rcvd	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP-STATUS messages received.	Increments upon receiving a BSSGP-STATUS message as a response for any BSSGP message which contains an MS identity that is not known at the BSS.	Per GPRS	Standard
gprs	bssgp-bvc-unknown-ms-status-msg-sent	INT32	Incremental	active	This proprietary statistic indicates the total number of BSSGP-STATUS messages sent.	Increments after sending a BSSGP-STATUS message as a response for the received BSSGP message if the MS identity is not known by the SGSN.	Per GPRS	Standard
gprs	sndcp-xid-req-ms-init	INT32	Incremental	active	This proprietary statistic indicates the total number of MS initiated eXchange Identification (XID) indicators received.	Increments upon receiving a XID request from a MS with Layer 3/SNDCP XID parameters.	per GPRS service	Standard
gprs	sndcp-xid-ind-sgsn-init	INT32	Incremental	active	This proprietary statistic indicates the total number of SGSN initiated eXchange Identification (XID) indicators sent.	Increments after sending a XID request from the SGSN with Layer 3/SNDCP XID parameters.	per GPRS service	Standard
gprs	sndcp-npdus-ack-rcvd-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs in LLC Acknowledged mode received from MS.	Increments upon receiving SNDCP network PDUs in LLC Acknowledged mode from the MS.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	sndcp-npdus-ack-sent-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs in LLC Acknowledged mode sent to MS.	Increments after sending SNDCP network PDUs in LLC Acknowledged mode to the MS.	per GPRS service	Standard
gprs	sndcp-npdus-uack-rcvd-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs in UnLLC Acknowledged mode received from MS.	Increments upon receiving SNDCP network PDUs in Un-LLC Acknowledged mode from the MS.	per GPRS service	Standard
gprs	sndcp-npdus-uack-sent-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs in UnLLC Acknowledged mode sent to MS.	Increments after sending SNDCP network PDUs in un-LLC Acknowledged mode to the MS.	per GPRS service	Standard
gprs	sndcp-bytes-ack-rcvd-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP bytes received from MS for all subscribers at SNDCP layer using LLC Acknowledged mode of LLC operation.	Increments after the uplink data packet has passed SNDCP validations as mentioned in sections 6.7 and 6.9 of SNDCP TS 44.065.	Per GPRS service, per Routing Area	Standard
gprs	sndcp-bytes-ack-sent-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP bytes sent to MS for all subscribers at SNDCP layer using LLC Acknowledged mode of LLC operation.	Increments after the uplink data packet has passed SNDCP validations as mentioned in sections 6.7 and 6.9 of SNDCP TS 44.065.	Per GPRS service, per Routing Area	Standard
gprs	sndcp-bytes-uack-rcvd-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP bytes received from MS for all subscribers at SNDCP layer using LLC Un-acknowledged mode of LLC operation.	Increments after the uplink data packet has passed SNDCP validations as mentioned in sections 6.7 and 6.9 of SNDCP TS 44.065.	Per GPRS service, per Routing Area	Standard
gprs	sndcp-bytes-uack-sent-ms	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP bytes sent to MS for all subscribers at SNDCP layer using LLC Un-acknowledged mode of LLC operation.	Increments after the uplink data packet has passed SNDCP validations as mentioned in sections 6.7 and 6.9 of SNDCP TS 44.065.	Per GPRS service, per Routing Area	Standard
gprs	sndcp-pdu-drop-rcvd-from-llc	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP PDUs dropped when received from LLC due to invalid parameter or state.	Increments upon receiving a SNDCP PDU from LLC for a SAPI which is not in a bound state.	per GPRS service	Standard
gprs	sndcp-inval-ref-num-rcvd-from-llc	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP PDUs dropped due to invalid reference number received from LLC.	Increments upon receiving an invalid reference number from LLC for the SAPI in which the SNDCP PDU is received.	per GPRS service	Standard
gprs	sndcp-npdu-sent-sgsn-irau	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs sent/transferred to other SGSNs during inter-SGSN routing area update (RAU).	Increments after sending SNDCP network PDUs to a peer SGSN while Inter-SGSN RAU is in progress.	per GPRS service	Standard
gprs	sndcp-npdu-rcvd-sgsn-irau	INT64	Incremental	active	This proprietary statistic indicates the total number of SNDCP network PDUs received from other SGSNs during inter-SGSN routing area update (RAU).	Increments upon receiving SNDCP network PDUs from a peer SGSN while Inter-SGSN RAU is in progress.	per GPRS service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	llc-data-req-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC data requests received from the MS.	Increments upon receiving a downlink packet from SNDCP.	per GPRS service	Standard
gprs	llc-data-cfm-tx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC data requests confirmation sent to the MS.	Increments after sending a confirmation to SNDCP regarding a downlink packet.	per GPRS service	Standard
gprs	llc-data-ind-tx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC data indications sent to SNDCP layer.	Increments after sending an uplink packet to SNDCP.	Int64*	Standard
gprs	llc-data-sent-ind-tx	INT64	Incremental	active	This statistic no longers pegs values and should not be used.	Not Defined	per GPRS Service	Standard
gprs	llc-unit-data-req-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC unit data requests received from the MS.	Increments upon receiving an Un-LLC Acknowledged mode packet from SNDCP.	per GPRS Service*	Standard
gprs	llc-unit-data-ind-tx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC unit data indications sent to the MS.	Increments after sending an Un-LLC Acknowledged mode packet to SNDCP.	per GPRS Service*	Standard
gprs	llc-discarded-frames-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of frames received from the MS that are discarded at the LLC layer.	Increments after discarding a packet received from BSSGP.	per GPRS Service*	Standard
gprs	llc-discarded-frames-tx	INT64	Incremental	active	This statistic no longers pegs values and should not be used.	Not Defined	per GPRS Service	Standard
gprs	llc-error-frames-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC error frames received from the MS.	Increments upon receiving a packet with an error from BSSGP.	per GPRS Service*	Standard
gprs	llc-unrecog-frames-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC unrecognized frames received from the MS.	Increments upon receiving a LLC message which contains an Invalid Frame format or a format other than the defined frame formats.	per GPRS Service*	Standard
gprs	llc-xid-collisions	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC exchange identifier (XID) request collisions.	Increments upon receiving a XID while waiting for DISC/SABME.	per GPRS Service*	Standard
gprs	llc-ciphering-errors	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC ciphering errors.	Increments upon a deciphering failure on the received LLC frame or on a ciphering failure while building the LLC frame.	per GPRS Service*	Standard
gprs	llc-fcs-errors	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC frame check sequence errors.	Increments upon a Frame Check Sequence failure while validating FCS on the received LLC frame or on a FCS failure while building the LLC frame.	per GPRS Service*	Standard
gprs	llc-frame-stats-octets-rcvd	INT64	Incremental	active	This proprietary statistic indicates the total number of bytes of LLC frames received from an MS. This value includes all LLC messages (data + gmm messages + other LLC messages). This stat value be compared with similar counts for other layers to check if any packets have been dropped.	Increments when the LLC layer receives a packet (can be UI frame, U frame, S frame or U frame) from lower BSSGP layer.	per GPRS Service*	Standard
gprs	llc-frame-stats-octets-sent	INT64	Incremental	active	This proprietary statistic indicates the total number of bytes sent from the LLC layer to an MS from the SGSN. This value includes all LLC messages (data + gmm messages + other LLC messages). This stat value be compared with similar counts for other layers to check if any packets have been dropped.	Increments when the LLC layer sends a packet (can be UI frame, U frame, S frame or U frame) to the lower BSSGP layer.	per GPRS Service*	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	llc-frame-stats-unack-frames-rcvd	INT64	Incremental	active	This proprietary statistic indicates the total number of unacknowledged UI frames received at the LLC layer from an MS. This value be compared with the packet count in gmm and sndcp to check if there are any packets dropped in the LLC layer.	Increments when the LLC layer receives a UI frame in unacknowledged mode from the lower BSSGP layer.	per GPRS Service*	Standard
gprs	llc-frame-stats-unack-frames-sent	INT64	Incremental	active	This proprietary statistic indicates the total number of unacknowledged UI frames sent from the LLC to an MS. This value can be compared with the packet count in gmm and sndcp to check if there are any packets dropped in the LLC layer.	Increments when the LLC layer sends a UI frame in unacknowledged mode to the lower BSSGP layer.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC frames with unnumbered information received from the MS.	Increments upon receiving a LLC message from the MS which contains an Unnumbered Information (UI Frame).	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-tx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC frames with unnumbered information sent to the MS. This is a counter type of statistic.	Increments after sending a LLC message to the MS which contains an Unnumbered Information (UI Frame).	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-ciph-rx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC frames with ciphered unnumbered information received from the MS. This is a counter type of statistic.	Increments upon receiving a LLC message from the MS which contains a Ciphered Unnumbered Information (UI Frame).	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-ciph-tx	INT64	Incremental	active	This proprietary statistic indicates the total number of LLC frames with ciphered unnumbered information sent to the MS.	Increments after sending a LLC message to the MS which contains a Ciphered Unnumbered Information (UI Frame).	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea1-ciph-data-frames-rx	INT64	Incremental	active	Indicates the total number of GEA1 ciphered data frames received at LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e 1, 7, 3,5,9 or 11.	Increments when receiving data frame ciphered with the GPRS GEA1 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea1-ciph-data-frames-tx	INT64	Incremental	active	Indicates the total number of GEA1 ciphered data frames transmitted from the LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when transmitting data frame ciphered with the GPRS GEA1 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea1-ciph-data-octets-rx	INT64	Incremental	active	Indicates the total number of GEA1 ciphered data bytes received at the LLC layer.	Increments when receiving a data octet ciphered with GPRS GEA1 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea1-ciph-data-octets-tx	INT64	Incremental	active	Indicates the total number of GEA1 ciphered data bytes transmitted from the LLC layer.	Increments when transmitting a data octet ciphered with GPRS GEA1 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea2-ciph-data-frames-rx	INT64	Incremental	active	Indicates the total number of GEA2 ciphered data frames received at LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when receiving data frame ciphered with the GPRS GEA2 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea2-ciph-data-frames-tx	INT64	Incremental	active	Indicates the total number of GEA2 ciphered data frames transmitted from the LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when transmitting data frame ciphered with the GPRS GEA2 ciphering algorithm.	per GPRS Service*	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	llc-frame-stats-ui-gea2-ciph-data-octets-rx	INT64	Incremental	active	Indicates the total number of GEA2 ciphered data bytes received at the LLC layer.	Increments when receiving a data octet ciphered with GPRS GEA2 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea2-ciph-data-octets-tx	INT64	Incremental	active	Indicates the total number of GEA2 ciphered data bytes transmitted from the LLC layer.	Increments when transmitting a data octet ciphered with GPRS GEA2 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea3-ciph-data-frames-rx	INT64	Incremental	active	Indicates the total number of GEA3 ciphered data frames received at LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when receiving data frame ciphered with the GPRS GEA3 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea3-ciph-data-frames-tx	INT64	Incremental	active	Indicates the total number of GEA3 ciphered data frames transmitted from the LLC layer; where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when transmitting data frame ciphered with the GPRS GEA3 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea3-ciph-data-octets-rx	INT64	Incremental	active	Indicates the total number of GEA3 ciphered data bytes received at the LLC layer, where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when receiving a data octet ciphered with GPRS GEA3 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-gea3-ciph-data-octets-tx	INT64	Incremental	active	Indicates the total number of GEA3 ciphered data bytes transmitted from the LLC layer, where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when transmitting a data octet ciphered with GPRS GEA3 ciphering algorithm.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-rx	INT64	Incremental	active	Total number of unciphered frames received at the LLC layer.	Increments when the incoming frame is unciphered.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-tx	INT64	Incremental	active	Total number of unciphered frames transmitted from the LLC layer.	Increments when the outgoing frame is unciphered.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-data-frames-rx	INT64	Incremental	active	Total number of unciphered data frames received at the LLC layer, where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when the incoming data frame is unciphered.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-data-frames-tx	INT64	Incremental	active	Total number of unciphered data frames transmitted at the LLC layer, where the data frames include GMM, SMS, and SNDCP SAPI i.e., 1, 7, 3, 5, 9 or 11.	Increments when the outgoing data frame is unciphered.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-data-octets-rx	INT64	Incremental	active	Total number of unciphered data bytes received at the LLC layer.	Increments when receiving an unciphered data octet.	per GPRS Service*	Standard
gprs	llc-frame-stats-ui-unciph-data-octets-tx	INT64	Incremental	active	Total number of unciphered data bytes transmitted from the LLC layer.	Increments when transmitting an unciphered data octet.	per GPRS Service*	Standard
gprs	llc-frame-stats-xid-rcvd	INT64	Incremental	active	This proprietary statistic indicates the total number of XID-reset messages received from the MS.	Increments when the LLC layer receives an XID request from the lower BSSGP layer.	per GPRS Service*	Standard
gprs	llc-frame-stats-xid-sent	INT64	Incremental	active	This proprietary statistic indicates the total number of XID-reset messages sent to the MS. This includes responses to XIDs sent by the SGSN and XID command from the MS. This stat value can be compared with the stat value for llc-frame-stats-xid-rcvd to determine XID failures.	Increments when the LLC layer sends an XID request to the lower BSSGP layer.	per GPRS Service*	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gprs	bytes-sent-to-bsc	INT64	Incremental	active	Stat collected on the Gb interface provides the total number of bytes of data sent by a SGSN to a specific BSC (NSEI).	Increments by the number of bytes of data in the data packet whenever a data packet is sent in the downlink direction from the SGSN to a subscriber served by the particular BSC (NSEI).	per NSEI	Standard
gprs	packets-sent-to-bsc	INT64	Incremental	active	Stat collected on the Gb interface provides the total number of data packets a SGSN sent to a specific BSC (NSEI).	Increments whenever a data packet is sent in the downlink direction from the GGSN to a subscriber served by the particular BSC.	per NSEI	Standard
gprs	bytes-rcvd-from-bsc	INT64	Incremental	active	Stat collected on the Gb interface provides the total number of bytes of data received by a SGSN from a specific BSC (NSEI).	Increments by the number of bytes of data in the data packet whenever a data packet is sent in the uplink direction to the SGSN from a subscriber served by the particular BSC (NSEI).	per BSC	Standard
gprs	packets-rcvd-from-bsc	INT64	Incremental	active	Stat collected on the Gb interface provides the total number of data packets the SGSN received from a specific BSC (NSEI).	Increments whenever a data packet is sent in the uplink direction to the SGSN from a subscriber served by the particular BSC (NSEI).	per NSEI	Standard
gprs	gprs-num-subs-gea0-capable	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers whose MS network capability supports GEA0 (no ciphering).	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea1-capable	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers whose MS network capability supports GEA1 encryption.	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea2-capable	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers whose MS network capability supports GEA2 encryption.	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea3-capable	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers whose MS network capability supports GEA3 encryption.	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea0-negotiated	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers who have negotiated, with the SGSN during authentication and ciphering request, to use GEA0 (no ciphering).	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea1-negotiated	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers who have negotiated, with the SGSN during authentication and ciphering request, to use GEA1 encryption.	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea2-negotiated	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers who have negotiated, with the SGSN during authentication and ciphering request, to use GEA2 encryption.	Not Defined	Per SGSN	Standard
gprs	gprs-num-subs-gea3-negotiated	INT32	Gauge	active	This proprietary statistic indicates the total number of currently attached GPRS subscribers who have negotiated, with the SGSN during authentication and ciphering request, to use GEA3 encryption.	Not Defined	Per SGSN	Standard
gtpu	vpnname	STRING	Primary-key	active	The name of the VPN associated with the service.	Configuration	Per context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	vpnid	INT32	Primary-key	active	The id of the VPN associated with the service.	Generated during System Startup	Per context	Standard
gtpu	servname	STRING	Primary-key	active	The name of the GTPU service for which these statistics are being displayed.	Configuration	Per GTPU service	Standard
gtpu	servid	INT32	Primary-key	active	The identification number of the GTPU service for which these statistics are being displayed. This is an internal reference number.	Generated during System Startup	Per GTPU service	Standard
gtpu	curr-sess	INT32	Gauge	active	The total number of current GTPU sessions.	Updates when a GTPU session is created/deleted.	Per GTPU service	Standard
gtpu	total-setup-sess	INT32	Incremental	active	The total number of sessions set up using this service.	Increments when new GTPU session is created.	Per GTPU service	Standard
gtpu	curr-gtpu0-sess	INT32	Gauge	active	The total number of current GTP-0 sessions.	Updates when a GTPv0 session is created/deleted.	Per GTPU service	Standard
gtpu	curr-gtpu1-sess	INT32	Gauge	active	The total number of current GTP-1 sessions.	Updates when a GTPv1 session is created/deleted.	Per GTPU service	Standard
gtpu	total-uplink-pkts	INT64	Incremental	active	The total number of uplink packets.	Increments when data packet is received.	Per GTPU service	Standard
gtpu	total-uplink-bytes	INT64	Incremental	active	The total number of uplink bytes.	Increments by the number of bytes sent on Gi interface (Uplink Data).	Per GTPU service	Standard
gtpu	total-dwlink-pkts	INT64	Incremental	active	The total number of downlink packets.	Increments when data packet is sent.	Per GTPU service	Standard
gtpu	total-dwlink-bytes	INT64	Incremental	active	The total number of downlink bytes.	Increments by the number of bytes sent on Access Side interface (Downlink Data).	Per GTPU service	Standard
gtpu	total-pkts-discard	INT64	Incremental	active	The total number of discarded packets.	Increments when a data packet is discarded.	Per GTPU service	Standard
gtpu	total-bytes-discard	INT64	Incremental	active	The total number of discarded bytes.	Increments by the number of bytes discarded.	Per GTPU service	Standard
gtpu	qci1-uplink-pkts	INT64	Incremental	active	The total number of QCI 1 uplink packets.	Increments when QCI 1 data packet is received.	Per GTPU service	Standard
gtpu	qci1-uplink-bytes	INT64	Incremental	active	The total number of QCI 1 uplink bytes.	Increments by the number of QCI 1 bytes received.	Per GTPU service	Standard
gtpu	qci1-dwlink-pkts	INT64	Incremental	active	The total number of QCI 1 downlink packets.	Increments when QCI 1 data packet is sent.	Per GTPU service	Standard
gtpu	qci1-dwlink-byte	INT64	Incremental	active	The total number of QCI 1 downlink bytes.	Increments by the number of QCI 1 bytes sent.	Per GTPU service	Standard
gtpu	qci1-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 1 packets.	Increments when QCI 1 packet is discarded.	Per GTPU service	Standard
gtpu	qci1-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 1 bytes.	Increments by the number of QCI 1 bytes discarded.	Per GTPU service	Standard
gtpu	qci2-uplink-pkts	INT64	Incremental	active	The total number of QCI 2 uplink packets.	Increments when QCI 2 data packet is received.	Per GTPU service	Standard
gtpu	qci2-uplink-bytes	INT64	Incremental	active	The total number of QCI 2 uplink bytes.	Increments by number of QCI 2 bytes received.	Per GTPU service	Standard
gtpu	qci2-dwlink-pkts	INT64	Incremental	active	The total number of QCI 2 downlink packets.	Increments when QCI 2 data packet is sent.	Per GTPU service	Standard
gtpu	qci2-dwlink-byte	INT64	Incremental	active	The total number of QCI 2 downlink bytes.	Increments by the number of QCI 2 bytes sent.	Per GTPU service	Standard
gtpu	qci2-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 2 packets.	Increments when QCI 2 packet is discarded.	Per GTPU service	Standard
gtpu	qci2-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 2 bytes.	Increments by the number of QCI 2 bytes discarded.	Per GTPU service	Standard
gtpu	qci3-uplink-pkts	INT64	Incremental	active	The total number of QCI 3 uplink packets.	Increments when QCI 3 data packet is received.	Per GTPU service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	qci3-uplink-bytes	INT64	Incremental	active	The total number of QCI 3 uplink bytes.	Increments by the number of QCI 3 bytes received.	Per GTPU service	Standard
gtpu	qci3-dwlink-pkts	INT64	Incremental	active	The total number of QCI 3 downlink packets.	Increments when QCI 3 data packet is sent.	Per GTPU service	Standard
gtpu	qci3-dwlink-byte	INT64	Incremental	active	The total number of QCI 3 downlink bytes.	Increments by the number of QCI 3 bytes sent.	Per GTPU service	Standard
gtpu	qci3-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 3 packets.	Increments when QCI 3 packet is discarded.	Per GTPU service	Standard
gtpu	qci3-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 3 bytes.	Increments by the number of QCI 3 bytes discarded.	Per GTPU service	Standard
gtpu	qci4-uplink-pkts	INT64	Incremental	active	The total number of QCI 4 uplink packets.	Increments when QCI 4 data packet is received.	Per GTPU service	Standard
gtpu	qci4-uplink-bytes	INT64	Incremental	active	The total number of QCI 4 uplink bytes.	Increments by the number of QCI 4 bytes received.	Per GTPU service	Standard
gtpu	qci4-dwlink-pkts	INT64	Incremental	active	The total number of QCI 4 downlink packets.	Increments when QCI 4 data packet is sent.	Per GTPU service	Standard
gtpu	qci4-dwlink-byte	INT64	Incremental	active	The total number of QCI 4 downlink bytes.	Increments by the number of QCI 4 bytes sent.	Per GTPU service	Standard
gtpu	qci4-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 4 packets.	Increments when QCI 4 packet is discarded.	Per GTPU service	Standard
gtpu	qci4-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 4 bytes.	Increments by the number of QCI 4 bytes discarded.	Per GTPU service	Standard
gtpu	qci5-uplink-pkts	INT64	Incremental	active	The total number of QCI 5 uplink packets.	Increments when QCI 5 data packet is received.	Per GTPU service	Standard
gtpu	qci5-uplink-bytes	INT64	Incremental	active	The total number of QCI 5 uplink bytes.	Increments by the number of QCI 5 bytes received.	Per GTPU service	Standard
gtpu	qci5-dwlink-pkts	INT64	Incremental	active	The total number of QCI 5 downlink packets.	Increments when QCI 5 data packet is sent.	Per GTPU service	Standard
gtpu	qci5-dwlink-byte	INT64	Incremental	active	The total number of QCI 5 downlink bytes.	Increments by the number of QCI 5 bytes sent.	Per GTPU service	Standard
gtpu	qci5-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 5 packets.	Increments when QCI 5 packet is discarded.	Per GTPU service	Standard
gtpu	qci5-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 5 bytes.	Increments by the number of QCI 5 bytes discarded.	Per GTPU service	Standard
gtpu	qci6-uplink-pkts	INT64	Incremental	active	The total number of QCI 6 uplink packets.	Increments when QCI 6 data packet is received.	Per GTPU service	Standard
gtpu	qci6-uplink-bytes	INT64	Incremental	active	The total number of QCI 6 uplink bytes.	Increments by the number of QCI 6 bytes received.	Per GTPU service	Standard
gtpu	qci6-dwlink-pkts	INT64	Incremental	active	The total number of QCI 6 downlink packets.	Increments when QCI 6 data packet is sent.	Per GTPU service	Standard
gtpu	qci6-dwlink-byte	INT64	Incremental	active	The total number of QCI 6 downlink bytes.	Increments by the number of QCI 6 bytes sent.	Per GTPU service	Standard
gtpu	qci6-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 6 packets.	Increments when QCI 6 packet is discarded.	Per GTPU service	Standard
gtpu	qci6-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 6 bytes.	Increments by the number of QCI 6 bytes discarded.	Per GTPU service	Standard
gtpu	qci7-uplink-pkts	INT64	Incremental	active	The total number of QCI 7 uplink packets.	Increments when QCI 7 data packet is received.	Per GTPU service	Standard
gtpu	qci7-uplink-bytes	INT64	Incremental	active	The total number of QCI 7 uplink bytes.	Increments by the number of QCI 7 bytes received.	Per GTPU service	Standard
gtpu	qci7-dwlink-pkts	INT64	Incremental	active	The total number of QCI 7 downlink packets.	Increments when QCI 7 data packet is sent.	Per GTPU service	Standard
gtpu	qci7-dwlink-byte	INT64	Incremental	active	The total number of QCI 7 downlink bytes.	Increments by the number of QCI 7 bytes sent.	Per GTPU service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	qci7-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 7 packets.	Increments when QCI 7 packet is discarded.	Per GTPU service	Standard
gtpu	qci7-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 7 bytes.	Increments by the number of QCI 7 bytes discarded.	Per GTPU service	Standard
gtpu	qci8-uplink-pkts	INT64	Incremental	active	The total number of QCI 8 uplink packets.	Increments when QCI 8 data packet is received.	Per GTPU service	Standard
gtpu	qci8-uplink-bytes	INT64	Incremental	active	The total number of QCI 8 uplink bytes.	Increments by the number of QCI 8 bytes received.	Per GTPU service	Standard
gtpu	qci8-dwlink-pkts	INT64	Incremental	active	The total number of QCI 8 downlink packets.	Increments when QCI 8 data packet is sent.	Per GTPU service	Standard
gtpu	qci8-dwlink-byte	INT64	Incremental	active	The total number of QCI 8 downlink bytes.	Increments by the number of QCI 8 bytes sent.	Per GTPU service	Standard
gtpu	qci8-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 8 packets.	Increments when QCI 8 packet is discarded.	Per GTPU service	Standard
gtpu	qci8-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 8 bytes.	Increments by the number of QCI 8 bytes discarded.	Per GTPU service	Standard
gtpu	qci9-uplink-pkts	INT64	Incremental	active	The total number of QCI 9 uplink packets.	Increments when QCI 9 data packet is received.	Per GTPU service	Standard
gtpu	qci9-uplink-bytes	INT64	Incremental	active	The total number of QCI 9 uplink bytes.	Increments by the number of QCI 9 bytes received.	Per GTPU service	Standard
gtpu	qci9-dwlink-pkts	INT64	Incremental	active	The total number of QCI 9 downlink packets.	Increments when QCI 9 data packet is sent.	Per GTPU service	Standard
gtpu	qci9-dwlink-byte	INT64	Incremental	active	The total number of QCI 9 downlink bytes.	Increments by the number of QCI 9 bytes sent.	Per GTPU service	Standard
gtpu	qci9-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 9 packets.	Increments when QCI 9 packet is discarded.	Per GTPU service	Standard
gtpu	qci9-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 9 bytes.	Increments by the number of QCI 9 bytes discarded.	Per GTPU service	Standard
gtpu	qci65-uplink-pkts	INT64	Incremental	active	The total number of QCI 65 uplink packets.	Increments when a QCI 65 data packet is received.	Per GTPU service	Standard
gtpu	qci65-uplink-bytes	INT64	Incremental	active	The total number of QCI 65 uplink bytes.	Increments by the number of QCI 65 bytes received.	Per GTPU service	Standard
gtpu	qci65-dwlink-pkts	INT64	Incremental	active	The total number of QCI 65 downlink packets.	Increments when a QCI 65 data packet is sent.	Per GTPU service	Standard
gtpu	qci65-dwlink-byte	INT64	Incremental	active	The total number of QCI 65 downlink bytes.	Increments by the number of QCI 65 bytes sent.	Per GTPU service	Standard
gtpu	qci65-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 65 packets.	Increments when a QCI 65 packet is discarded.	Per GTPU service	Standard
gtpu	qci65-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 65 bytes.	Increments by the number of QCI 65 bytes discarded.	Per GTPU service	Standard
gtpu	qci66-uplink-pkts	INT64	Incremental	active	The total number of QCI 66 uplink packets.	Increments when a QCI 66 data packet is received.	Per GTPU service	Standard
gtpu	qci66-uplink-bytes	INT64	Incremental	active	The total number of QCI 66 uplink bytes.	Increments by the number of QCI 66 bytes received.	Per GTPU service	Standard
gtpu	qci66-dwlink-pkts	INT64	Incremental	active	The total number of QCI 66 downlink packets.	Increments when a QCI 66 data packet is sent.	Per GTPU service	Standard
gtpu	qci66-dwlink-byte	INT64	Incremental	active	The total number of QCI 66 downlink bytes.	Increments by the number of QCI 66 bytes sent.	Per GTPU service	Standard
gtpu	qci66-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 66 packets.	Increments when a QCI 66 packet is discarded.	Per GTPU service	Standard
gtpu	qci66-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 66 bytes.	Increments by the number of QCI 66 bytes discarded.	Per GTPU service	Standard
gtpu	qci69-uplink-pkts	INT64	Incremental	active	The total number of QCI 69 uplink packets.	Increments when a QCI 69 data packet is received.	Per GTPU service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	qci69-uplink-bytes	INT64	Incremental	active	The total number of QCI 69 uplink bytes.	Increments by the number of QCI 69 bytes received.	Per GTPU service	Standard
gtpu	qci69-dwlink-pkts	INT64	Incremental	active	The total number of QCI 69 downlink packets.	Increments when a QCI 69 data packet is sent.	Per GTPU service	Standard
gtpu	qci69-dwlink-byte	INT64	Incremental	active	The total number of QCI 69 downlink bytes.	Increments by the number of QCI 69 bytes sent.	Per GTPU service	Standard
gtpu	qci69-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 69 packets.	Increments when a QCI 69 packet is discarded.	Per GTPU service	Standard
gtpu	qci69-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 69 bytes.	Increments by the number of QCI 69 bytes discarded.	Per GTPU service	Standard
gtpu	qci70-uplink-pkts	INT64	Incremental	active	The total number of QCI 70 uplink packets.	Increments when a QCI 70 data packet is received.	Per GTPU service	Standard
gtpu	qci70-uplink-bytes	INT64	Incremental	active	The total number of QCI 70 uplink bytes.	Increments by the number of QCI 70 bytes received.	Per GTPU service	Standard
gtpu	qci70-dwlink-pkts	INT64	Incremental	active	The total number of QCI 70 downlink packets.	Increments when a QCI 70 data packet is sent.	Per GTPU service	Standard
gtpu	qci70-dwlink-byte	INT64	Incremental	active	The total number of QCI 70 downlink bytes.	Increments by the number of QCI 70 bytes sent.	Per GTPU service	Standard
gtpu	qci70-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 70 packets.	Increments when a QCI 70 packet is discarded.	Per GTPU service	Standard
gtpu	qci70-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 70 bytes.	Increments by the number of QCI 70 bytes discarded.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-uplink-pkts	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink packets.	Increments when such packet is received.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-uplink-bytes	INT64	Incremental	active	The total number of non-standard QCI, non-GBR uplink bytes.	Increments by number of such bytes received.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-dwlink-pkts	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink packets.	Increments when such packet is sent.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-dwlink-bytes	INT64	Incremental	active	The total number of non-standard QCI, non-GBR downlink bytes.	Increments by number of such bytes sent.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-pkts-discard	INT64	Incremental	active	The total number of discarded non-standard QCI, non-GBR packets.	Increments when such packet is discarded.	Per GTPU service	Standard
gtpu	non-std-qci-non-gbr-bytes-discard	INT64	Incremental	active	The total number of discarded non-standard QCI, non-GBR bytes.	Increments by number of such bytes discarded.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-uplink-pkts	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink packets.	Increments when such packet is received.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-uplink-bytes	INT64	Incremental	active	The total number of non-standard QCI, GBR uplink bytes.	Increments by number of such bytes received.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-dwlink-pkts	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink packets.	Increments when such packet is sent.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-dwlink-bytes	INT64	Incremental	active	The total number of non-standard QCI, GBR downlink bytes.	Increments by number of such bytes sent.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-pkts-discard	INT64	Incremental	active	The total number of discarded non-standard QCI, GBR packets.	Increments when such packet is discarded.	Per GTPU service	Standard
gtpu	non-std-qci-gbr-bytes-discard	INT64	Incremental	active	The total number of discarded non-standard QCI, GBR bytes.	Increments by number of such bytes discarded.	Per GTPU service	Standard
gtpu	total-gbr-qcis-uplink-pkts	INT64	Incremental	active	The total number of GBR QCIS uplink packets.	Increments when such packet is received.	Per GTPU service	Standard
gtpu	total-gbr-qcis-uplink-bytes	INT64	Incremental	active	The total number of GBR QCIS uplink bytes.	Increments by number of such bytes received.	Per GTPU service	Standard
gtpu	total-gbr-qcis-dwlink-pkts	INT64	Incremental	active	The total number of GBR QCIS downlink packets.	Increments by number of such packets sent.	Per GTPU service	Standard
gtpu	total-gbr-qcis-dwlink-bytes	INT64	Incremental	active	The total number of GBR QCIS downlink bytes.	Increments by number of such bytes sent.	Per GTPU service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	total-non-gbr-qcis-uplink-pkts	INT64	Incremental	active	The total number of non-GBR QCIS uplink packets.	Increments by number of such packets received.	Per GTPU service	Standard
gtpu	total-non-gbr-qcis-uplink-bytes	INT64	Incremental	active	The total number of non-GBR QCIS uplink bytes.	Increments by number of such bytes received.	Per GTPU service	Standard
gtpu	total-non-gbr-qcis-dwlink-pkts	INT64	Incremental	active	The total number of non-GBR QCIS downlink packets.	Increments when such packet is sent.	Per GTPU service	Standard
gtpu	total-non-gbr-qcis-dwlink-bytes	INT64	Incremental	active	The total number of non-GBR QCIS downlink bytes.	Increments by number of such bytes sent.	Per GTPU service	Standard
gtpu	echo-req-rx	INT32	Incremental	active	The total number of echo requests received.	Increments when GTPU Echo Request is received.	Per GTPUMGR instance	Standard
gtpu	echo-rsp-tx	INT32	Incremental	active	The total number of echo responses transmitted.	Increments when GTPU Echo Response is sent.	Per GTPUMGR instance	Standard
gtpu	echo-req-tx	INT32	Incremental	active	The total number of echo requests transmitted.	Increments when GTPU Echo Request is sent.	Per GTPUMGR instance	Standard
gtpu	echo-rsp-rx	INT32	Incremental	active	The total number of echo responses received.	Increments when GTPU Echo Response is received.	Per GTPUMGR instance	Standard
gtpu	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received.	Increments when GTP Error Indication is receieved.	Per GTPUMGR instance	Standard
gtpu	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent.	Increments when GTP Error Indication is sent.	Per GTPUMGR instance	Standard
gtpu	err-ind-rx-dis	INT32	Incremental	active	The total number of error indications discarded	Increments when a received Error Indication is discarded.	Per GTPUMGR instance	Standard
gtpu	peer-count	INT32	Incremental	active	Total number of GTPU Peers available in the system.	Increments when a new GTPU peer is created in the system.	Per GTPUMGR instance	Standard
gtpu	peers-with-stats	INT32	Incremental	active	Total number of GTPU Peers available in the system with statistics.	Increments when a new GTPU peer is created in the system and statistics are maintained for this peer.	Per GTPUMGR instance	Standard
gtpu	qci80-uplink-pkts	INT64	Incremental	active	The total number of QCI 80 uplink packets.	Increments when a QCI 80 data packet is received.	Per GTPU service	Standard
gtpu	qci82-uplink-pkts	INT64	Incremental	active	The total number of QCI 82 uplink packets.	Increments when a QCI 82 data packet is received.	Per GTPU service	Standard
gtpu	qci83-uplink-pkts	INT64	Incremental	active	The total number of QCI 83 uplink packets.	Increments when a QCI 83 data packet is received.	Per GTPU service	Standard
gtpu	qci80-uplink-bytes	INT64	Incremental	active	The total number of QCI 80 uplink bytes.	Increments by the number of QCI 80 bytes received.	Per GTPU service	Standard
gtpu	qci82-uplink-bytes	INT64	Incremental	active	The total number of QCI 82 uplink bytes.	Increments by the number of QCI 82 bytes received.	Per GTPU service	Standard
gtpu	qci83-uplink-bytes	INT64	Incremental	active	The total number of QCI 83 uplink bytes.	Increments by the number of QCI 83 bytes received.	Per GTPU service	Standard
gtpu	qci80-dwlink-pkts	INT64	Incremental	active	The total number of QCI 80 downlink packets.	Increments when a QCI 80 data packet is sent.	Per GTPU service	Standard
gtpu	qci82-dwlink-pkts	INT64	Incremental	active	The total number of QCI 82 downlink packets.	Increments when a QCI 82 data packet is sent.	Per GTPU service	Standard
gtpu	qci83-dwlink-pkts	INT64	Incremental	active	The total number of QCI 83 downlink packets.	Increments when a QCI 83 data packet is sent.	Per GTPU service	Standard
gtpu	qci80-dwlink-byte	INT64	Incremental	active	The total number of QCI 80 downlink bytes.	Increments by the number of QCI 80 bytes sent.	Per GTPU service	Standard
gtpu	qci82-dwlink-byte	INT64	Incremental	active	The total number of QCI 82 downlink bytes.	Increments by the number of QCI 82 bytes sent.	Per GTPU service	Standard
gtpu	qci83-dwlink-byte	INT64	Incremental	active	The total number of QCI 83 downlink bytes.	Increments by the number of QCI 83 bytes sent.	Per GTPU service	Standard
gtpu	qci80-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 80 packets.	Increments when a QCI 80 packet is discarded.	Per GTPU service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
gtpu	qci82-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 82 packets.	Increments when a QCI 82 packet is discarded.	Per GTPU service	Standard
gtpu	qci83-pkts-discard	INT64	Incremental	active	The total number of discarded QCI 83 packets.	Increments when a QCI 83 packet is discarded.	Per GTPU service	Standard
gtpu	qci80-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 80 bytes.	Increments by the number of QCI 80 bytes discarded.	Per GTPU service	Standard
gtpu	qci82-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 82 bytes.	Increments by the number of QCI 82 bytes discarded.	Per GTPU service	Standard
gtpu	qci83-bytes-discard	INT64	Incremental	active	The total number of discarded QCI 83 bytes.	Increments by the number of QCI 83 bytes discarded.	Per GTPU service	Standard
pcc	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc	servname	STRING	Primary-key	active	The name of the PCC service for which these statistics are being displayed.	Configuration	Per PCC Service	Standard
pcc	servid	INT32	Primary-key	active	The identification number of the PCC service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per PCC Service	Standard
pcc	total-gx-processed	INT32	Incremental	active	Indicates the total number of Gx request processed by PCC.	When Gx request is processed by PCC.	Availability: Across all PCC Services.	Standard
pcc	total-rx-processed	INT32	Incremental	active	Not Available	Not Defined	Not Defined	Standard
pcc	total-gy-processed	INT32	Incremental	active	Indicates the total number of Gy request processed by PCC.	When Gy request is processed by PCC.	Availability: Across all PCC Services.	Standard
pcc	total-spr-processed	INT32	Incremental	active	Indicates the total number of SSC request processed by PCC.	When SPR responsed is processed by PCC.	Availability: Across all PCC Services.	Standard
pcc	total-unknown-req	INT32	Incremental	active	Indicates the total number of unknown request received at PCC.	When sent to PCC is unknown.	Availability: Across all PCC Services.	Standard
pcc	total-profile-match-hits	INT32	Incremental	active	Indicates the total number profiles matched.	When profile requested by interfaces is matched.	Across all PCC Services.	Standard
pcc	total-profile-match-miss	INT32	Incremental	active	Indicates the total number of profiles that did not match.	When profile requested by interfaces does not match.	Across all PCC Services.	Standard
pcc	total-quota-reports	INT32	Incremental	active	Indicates the total number of quote reports generated by PCC.	When IPCF processes quota request on Gy interface.	Across all PCC Services.	Standard
pcc	total-unknown-rt-req	INT32	Incremental	active	Indicates the total number of unknown rating group requested.	When an unknown rating group is reported by Gy.	Across all PCC Services.	Standard
pcc-policy	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc-policy	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC-Policy service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc-policy	servname	STRING	Primary-key	active	The name of the PCC Policy service for which these statistics are being displayed.	Configuration	Per PCC-Policy Service	Standard
pcc-policy	servid	INT32	Primary-key	active	The identification number of the service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per PCC-Policy Service	Standard
pcc-policy	total-gx-inbound-msgs	INT32	Incremental	active	Indicates the total number of Gx messages received.	When a Gx message arrives at IPCF.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-outbound-msgs	INT32	Incremental	active	Indicates the total number of Gx messages sent.	When a Gx message is sent by IPCF to peer.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccr-rcvd	INT32	Incremental	active	Indicates the total number of Gx CCR messages received.	When GxCCR I/U/T received.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccr-rej-sent	INT32	Incremental	active	Indicates the total number of Gx CCR messages rejected.	When Gx CCR rejected with CCA with respective error code.	Across all PCC Policy Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-policy	total-gx-cca-accept-sent	INT32	Incremental	active	Indicates the total number of Gx CCA messages sccepted successfully.	When Gx CCR accepted with CCA with success code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccri-rcvd	INT32	Incremental	active	Indicates the total number of Gx CCR-I messages received.	When IPCF received a Gx CCR-I.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccai-rej-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-I messages sent with error response.	When IPCF rejects a CCR-I with CCA with respective error code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccai-accept-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-I messages sent with success response.	When IPCF accepts a CCR-I with CCA with success code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccru-rcvd	INT32	Incremental	active	Indicates the total number of Gx CCR-U messages received.	When IPCF received a Gx CCR-U.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccru-rej-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-U messages sent with error response.	When IPCF rejects a CCR-U with CCA with respective error code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccru-accept-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-U messages sent with success response.	When IPCF accepts a CCR-U with CCA with success code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccrt-rcvd	INT32	Incremental	active	Indicates the total number of Gx CCR-T messages received.	When IPCF received a Gx CCR-T.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccrt-rej-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-T messages sent with error response.	When IPCF rejects a CCR-T with CCA with respective error code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccrt-accept-sent	INT32	Incremental	active	Indicates the total number of Gx CCA-T messages sent with success response.	When IPCF accepts a CCR-T with CCA with success code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-unknown-ccr-rcvd	INT32	Incremental	active	Indicates the total number of Gx Unknown CCR messages received.	When Unknown CCR sent to IPCF.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-unknown-ccr-rej	INT32	Incremental	active	Indicates the total number of Gx unknown CCR messages rejected.	When IPCF rejects the unknown CCR with CCA with respective error code.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-rar-sent	INT32	Incremental	active	Indicates the total number of Gx RAR request sent.	When IPCF sends a RAR on Gx.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-raa-rcvd	INT32	Incremental	active	Indicates the total number of Gx RAA responses received.	When IPCF received a RAR response.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-rar-timeouts	INT32	Incremental	active	Indicates the total number of Gx RAR timeouts.	When RAR times out.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-raa-parse-success	INT32	Incremental	active	Indicates the total number of Gx RAA parse success messages.	When RAA AVP parsing is successful.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-raa-parse-fail	INT32	Incremental	active	Indicates the total number of Gx RAA parse fail.	When RAA AVP parsing fails.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-cca-sent	INT32	Incremental	active	Indicates the total number of Gx-CCA messages sent in response to CCR.	When IPCF sends a CCA message.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccai-sent	INT32	Incremental	active	Indicates the total number of Gx-CCA-I messages sent in response to CCR-I.	When IPCF sends a CCA-I message.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccau-sent	INT32	Incremental	active	Indicates the total number of Gx-CCA-U messages sent in response to CCR-U.	When IPCF sends a CCA-U message.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-ccat-sent	INT32	Incremental	active	Indicates the total number of Gx-CCA-T messages sent in response to CCR-T.	When IPCF sends a CCA-T message.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-rar-sess-release	INT32	Incremental	active	Indicates the total number of Gx RAR messages sent for Session Release.	When IPCF sends RAR message to PCEF with Session-Release Cause AVP to request a session release.	Across all PCC Policy Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-policy	total-gx-raa-success-code	INT32	Incremental	active	Indicates the total number of Gx RAA messages sent with Result-Code as SUCCESS.	When IPCF receives RAA message with Result-Code as SUCCESS in response to an RAR.	Across all PCC Policy Services.	Standard
pcc-policy	total-gx-raa-failure-code	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-policy	total-gx-rar-ccr-collision	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-policy	total-gx-rar-transmitted	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc-quota	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC-Quota service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc-quota	servname	STRING	Primary-key	active	The name of the PCC Quota service for which these statistics are being displayed.	Configuration	Per PCC-Quota Service	Standard
pcc-quota	servid	INT32	Primary-key	active	The identification number of the PCC Quota service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per PCC-Quota Service	Standard
pcc-quota	total-gy-inbound-msgs	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-outbound-msgs	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccr-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccr-rej-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-cca-accept-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccri-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccai-rej-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccai-accept-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccru-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccru-rej-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccru-accept-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccrt-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccrt-rej-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-ccrt-accept-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-rar-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-raa-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-asr-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-quota	total-gy-asa-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-app	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc-app	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC-App service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc-app	servname	STRING	Primary-key	active	The name of the PCC-APP service for which these statistics are being displayed.	Configuration	Per PCC-App Service	Standard
pcc-app	servid	INT32	Primary-key	active	The identification number of the service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per PCC-App Service	Standard
pcc-app	total-rx-inbound-msgs	INT32	Incremental	active	Indicates the total number of Rx messages received.	When a Rx message arrives at IPCF.	Day 1	Standard
pcc-app	total-rx-outbound-msgs	INT32	Incremental	active	Indicates the total number of Rx messages sent.	When a Rx message is sent by IPCF to peer.	Across all PCC App Services.	Standard
pcc-app	total-rx-aar-rcvd	INT32	Incremental	active	Indicates the total number of Rx AAR messages received.	When Rx AAR received.	Across all PCC App Services.	Standard
pcc-app	total-rx-aar-accept-sent	INT32	Incremental	active	Indicates the total number of Rx AAR messages accepted.	When Rx AAR accepted with AAA with success code.	Across all PCC App Services.	Standard
pcc-app	total-rx-str-rcvd	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-app	total-rx-srt-accept-sent	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-app	total-rx-rar-sent	INT32	Incremental	active	Indicates the total number of Rx RAR request sent.	When IPCF sends a RAR on Rx.	Across all PCC App Services.	Standard
pcc-app	total-rx-raa-rcvd	INT32	Incremental	active	Indicates the total number of Rx RAA responses received.	When IPCF received a RAR response.	Across all PCC App Services.	Standard
pcc-app	total-rx-asr-sent	INT32	Incremental	active	Indicates the total number of Rx ASR request sent.	When IPCF sends a ASR on Rx.	Across all PCC App Services.	Standard
pcc-app	total-rx-asa-rcvd	INT32	Incremental	active	Indicates the total number of Rx ASA responses received.	When IPCF received a ASA response.	Across all PCC App Services.	Standard
pcc-sp-endpt	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc-sp-endpt	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC-Sd-Endpoint service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc-sp-endpt	endpt-name	STRING	Primary-key	active	The name of the PCC-Sp-Endpoint instance for which statistics are collected or displayed.	Configuration	Per Service	Standard
pcc-sp-endpt	req-open	INT32	Incremental	active	Indicates total number of SPRMgr Sh session Create requests received from PCCMgr.	When SPRMgr receives a first GET profile request for a session.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-close	INT32	Incremental	active	Indicates total number of SPRMgr Sh session Close requests received from PCCMgr.	When SPRMgr receives the last notification de-registration request or session close request.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-update-profile	INT32	Incremental	active	Indicates total number of requests received from PCCMgr to send PUR to SSC.	When SPRMgr gets a request from PCCMgr to send PUR to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-update-profile-answer	INT32	Incremental	active	Indicates total number of PUA received from SSC.	When SPRMgr receives a PUA message from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-user-data-req	INT32	Incremental	active	Indicates total number of requests received from PCCMgr to send UDR to SSC.	When SPRMgr gets a request from PCCMgr to send UDR to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-user-data-answer	INT32	Incremental	active	Indicates total number of UDA received from SSC.	When SPRMgr receives a UDA message from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-checkpoints	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	req-recoveries	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	req-user-data-query	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	req-push-notif-req	INT32	Incremental	active	Indicates total number of PNRs received.	When IPCF receives a PNR message from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-push-notif-answer	INT32	Incremental	active	Indicates total number of PNA received from PCCMgr.	After successful parsing of PNR message and before sending the PNA message out.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-subscr-notif-req	INT32	Incremental	active	Indicates total number of requests received from PCCMgr to send PNR to SSC.	When IPCF receives a SNR message from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	req-subscr-notif-answer	INT32	Incremental	active	Indicates total number of SNAs sent.	When SPRMgr receives a SNA message from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-open	INT32	Incremental	active	Indicates total number of SPRMgr Sh sessions successfully created.	When SPRMgr has successfully created a Sh session.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-close	INT32	Incremental	active	Indicates total number of SPRMgr Sh sessions successfully closed.	When SPRMgr has successfully closed a Sh session.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-update-profile	INT32	Incremental	active	Indicates total number of PUR successfully sent to SSC.	When a PUR message is successfully sent from IPCF to SSC.	Across all PCC SP Endpoints.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-sp-endpt	success-update-profile-answer	INT32	Incremental	active	Indicates total number of PUA successfully parsed and their data sent to PCCMgr.	When the PUA message received from SSC is successfully parsed.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-user-data-req	INT32	Incremental	active	Indicates total number of UDR successfully sent to SSC.	When a UDR message is successfully sent from IPCF to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-user-data-answer	INT32	Incremental	active	Indicates total number of UDA successfully parsed and their data sent to PCCMgr.	When the UDA message received from SSC is successfully parsed.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-checkpoints	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	success-recoveries	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	success-user-data-query	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	success-push-notif-req	INT32	Incremental	active	Indicates total number of PNR successfully sent to SSC.	When the PNR message received from SSC is successfully parsed.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-push-notif-answer	INT32	Incremental	active	Indicates total number of PNA successfully parsed and their data sent to PCCMgr.	When a PNA message is successfully sent from IPCF to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-subscr-notif-req	INT32	Incremental	active	Indicates total number of SNR successfully sent to SSC.	When a SNR message is successfully sent from IPCF to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	success-subscr-notif-answer	INT32	Incremental	active	Indicates total number of SNA successfully parsed and their data sent to PCCMgr.	When the SNA message received from SSC is successfully parsed.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-open	INT32	Incremental	active	Indicates total number of SPRMgr Sh session create failures.	When SPRMgr session creation fails.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-close	INT32	Incremental	active	Indicates total number of SPRMgr Sh session close failures.	When SPRMgr session close fails.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-update-profile	INT32	Incremental	active	Indicates total number of errors occurred while sending PUR.	When an error occurs while sending PUR message to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-update-profile-answer	INT32	Incremental	active	Indicates total number of errors occurred while processing PUA.	When an error occurs while processing PUA message received from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-user-data-req	INT32	Incremental	active	Indicates total number of errors occurred while sending UDR.	When an error occurs while sending UDR message to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-user-data-answer	INT32	Incremental	active	Indicates total number of errors occurred while processing UDA.	When an error occurs while processing UDA message received from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-checkpoints	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	error-recoveries	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	error-user-data-query	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-sp-endpt	error-push-notif-req	INT32	Incremental	active	Indicates total number of errors occurred while processing PNR.	When an error occurs while processing PNR message received from SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-push-notif-answer	INT32	Incremental	active	Indicates total number of errors occurred while sending PNA.	When an error occurs while sending PNA message to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-subscr-notif-req	INT32	Incremental	active	Indicates total number of errors occurred while sending SNR.	When an error occurs while sending SNR message to SSC.	Across all PCC SP Endpoints.	Standard
pcc-sp-endpt	error-subscr-notif-answer	INT32	Incremental	active	Indicates total number of errors occurred while processing SNA.	When an error occurs while processing SNA message received from SSC.	Across all PCC SP Endpoints	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-profile	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pcc-profile	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PCC-Profile service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
pcc-profile	servname	STRING	Primary-key	active	The name of the PCC-Profile service for which these statistics are being displayed.	Configuration	Per PCC-Profile Service	Standard
pcc-profile	profilename	STRING	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-profile	total-sgsn-change	INT32	Incremental	active	Total SGSN change processed by PCC Profile.	When SGSN change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-qos-change	INT32	Incremental	active	Total QOS change processed by PCC Profile.	When QOS change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-rat-change	INT32	Incremental	active	Total RAT change processed by PCC Profile.	When RAT change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-tft-change	INT32	Incremental	active	Total TFT change processed by PCC Profile.	When TFT change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-plmn-change	INT32	Incremental	active	Total PLMN change processed by PCC Profile.	When PLMN change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-loss-of-flow	INT32	Incremental	active	Total loss of flow processed by PCC Profile.	When loss of flow is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-recovery-of-flow	INT32	Incremental	active	Total recovery of flow processed by PCC Profile.	When recovery of flow is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-ip-can-change	INT32	Incremental	active	Total IP CAN change processed by PCC Profile.	When IP CAN change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-qos-change-exceeding-auth	INT32	Incremental	active	Total QOS change exceeding authorization processed by PCC Profile.	When QOS change exceeding authorization is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-rai-change	INT32	Incremental	active	Total RAI change processed by PCC Profile.	When RAI change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-user-location-change	INT32	Incremental	active	Total User Location change processed by PCC Profile.	When User Location change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-out-of-credit	INT32	Incremental	active	Total out of credit prcessed by PCC Profile.	When out of credit prcessed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-reallocation-of-credit	INT32	Incremental	active	Total Reallocation of credit processed by PCC Profile.	When Reallocation of credit is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-revalidation-timeout	INT32	Incremental	active	Total Revalidation timeout processed by PCC Profile.	When Revalidation timeout is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-ip-address-allocation	INT32	Incremental	active	Total IP Address allocation processed by PCC Profile.	When IP Address allocation is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-ip-address-release	INT32	Incremental	active	Total IP Address release processed by PCC Profile.	When IP Address release is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-def-eps-bearer-qos-change	INT32	Incremental	active	Total default EPS bearer QOS change processed by PCC Profile.	When default EPS bearer QOS change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-an-gw-change	INT32	Incremental	active	Total AN Gateway Address change processed by PCC Profile.	When AN Gateway Address change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-succ-resource-alloc	INT32	Incremental	active	Total successful resource allocation processed by PCC Profile.	When successful resource allocation is processed by PCC Profile.	Across all PCC Profiles.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pcc-profile	total-resource-modification-req	INT32	Incremental	active	Total Resource Modification Request processed by PCC Profile.	When Resource Modification Request is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-pgw-trace-control	INT32	Incremental	active	Total PGW Trace Control processed by PCC Profile.	When PGW Trace Control is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-ue-time-zone-change	INT32	Incremental	active	Total UE Timezone change processed by PCC Profile.	When UE Timezone change is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-usage-report	INT32	Incremental	active	Total Usage Report processed by PCC Profile.	When Usage Report is processed by PCC Profile.	Across all PCC Profiles.	Standard
pcc-profile	total-apn-ambr-mod-failure	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
pcc-profile	total-def-eps-bearer-qos-mod-failure	INT32	Incremental	active	NA	Not Defined	Not Defined	Standard
hnbgw-hnbap	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-hnbap	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-HNBAP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-hnbap	servname	STRING	Primary-key	active	The name of the HNBGW-HNBAP service for which these statistics are being displayed.	Configuration	Per HNBGW-HNBAP Service	Standard
hnbgw-hnbap	registered-hnb	INT32	Gauge	active	Indicates the total number of registered HNBs. Trigger : Changes when HNB is successfully registered with HNB-GW.	Not Defined	Not Defined	Standard
hnbgw-hnbap	registered-ue	INT32	Gauge	active	Indicates the total number of registered UEs. Trigger : Changes when UE is successfully registered with HNB-GW.	Not Defined	Not Defined	Standard
hnbgw-hnbap	ue-with-ps-conn	INT32	Gauge	active	Indicates the total number of UEs with PS connection. Trigger : Changes when PS connection is established with HNB-GW for a UE.	Not Defined	Not Defined	Standard
hnbgw-hnbap	ue-with-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with CS connection. Trigger : Changes when CS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-with-ps-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with PS and CS connection. Trigger : Changes when PS and CS connections are established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	idle-ue	INT32	Gauge	active	Indicates the total number of Idle UEs. Trigger : Changes when UE is registered with HNB-GW, but no CS and/or PS connection is established with HNB-GW for this UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ps-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in PS domain. Trigger : Changes when a RAB established a connection in PS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	cs-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in CS domain. Trigger : Changes when a RAB established a connection in CS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-req-rx	INT32	Incremental	active	Indicates the total number of HNB Register Request message received. Trigger : Increases when HNB Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-acc-tx	INT32	Incremental	active	Indicates the total number of HNB Register Accept message transmitted. Trigger : Increases when HNB Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-tx	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	hnb-reg-rej-unauth-loc	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized Location. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-unauth-hnb	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized HNB. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-overload	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Overload. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - HNB Parameter Mismatch. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - HNB Parameter Mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-oam-intervention	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - OAM Intervention. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - OAM Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unspecified. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-req-rx	INT32	Incremental	active	Indicates the total number of UE Register Request message received. Trigger : Increases when UE Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-cause-emergency	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Emergency. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Emergency.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-cause-normal	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Normal. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-acc-tx	INT32	Incremental	active	Indicates the total number of UE Register Accept message transmitted. Trigger : Increases when UE Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-rej-tx	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-rej-invalid-ue-id	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Invalid UE Identity. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-rej-ue-not-allowed-on-hnb	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - UE not allowed on HNB. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - UE not allowed on HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-reg-rej-hnb-not-reg	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - HNB not registered. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	ue-reg-rej-ue-unauthorised	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unauthorised. Trigger : Increases when total number of UE Register Reject message transmitted with cause - Unauthorised	Not Defined	Not Defined	Standard
hnbgw-hnbap	ue-reg-rej-overload	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Overload. Trigger :Increases when total number of UE Register Reject message transmitted with cause - Overload.	Not Defined	Not Defined	Standard
hnbgw-hnbap	ue-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unspecified. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-rx	INT32	Incremental	active	Indicates the total number of HNB De-register message received. Trigger : Increases when HNB De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-rx-normal	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Normal. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Unspecified. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-tx	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted. Trigger : Increases when HNB De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-tx-overload	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Overload. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	hnb-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Unspecified. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-rx	INT32	Incremental	active	Indicates the total number of UE De-register message received. Trigger : Increases when UE De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Connection with UE lost. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE RRC Release. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Unspecified. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE Relocated. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE Relocated.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	ue-dereg-tx	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted. Trigger : Increases when UE De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - UE registered in another HNB. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Unspecified. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	ue-dereg-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Relocated. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Relocated received.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	Not Defined	Standard
hnbgw-hnbap	err-ind-rx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause -Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	err-ind-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-rx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC	Not Defined	Not Defined	Standard
hnbgw-hnbap	err-ind-tx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Overload.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	err-ind-tx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	err-ind-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	err-ind-tx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	err-ind-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap	tnl-update-req-rx	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages reveived. Trigger : Increments when Tunnel Update request message is received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-req-rx-cause-reloc-prep	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Relocation Prepation. Trigger : Increments when Tunnel Update request messages received with cause - Relocation Prepation received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-rsp-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response messages. Trigger : Increments when Tunnel Update response messages received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages. Trigger : Increments when Tunnel Update response failed messages received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-overload	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Overload. Trigger : Increases when Tunnel Update request Message received with cause responce overload received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with cause - UE not allowed on this HNB. Trigger : Increments when Tunnel Update response failed messages with cause - UE not allowed on this HNB received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Radio Network Layer cause - Unspecified. Trigger : Increments when Tunnel Update response failed messages with Radio Network Layer cause - Unspecified received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified Trigger : Incrementswhen the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified received	Not Defined	Int32	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap	tnl-update-fail-tx-prot-semantic-err	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with - Protocol Semantic Error Trigger : Increments when the total number of Tunnel Update response failed messages with - Protocol Semantic Error received.	Not Defined	Int32	Standard
hnbgw-hnbap	tnl-update-fail-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap	reloc-complete-rx	INT32	Incremental	active	Indicates relocation complete message received. Trigger : Increments when Relocation message is received.	Not Defined	Int32	Standard
hnbgw-hnbap	hnb-config-transfer-request-rx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-request is received from HNB. For each discovery of the new HNB an existing HNB can send this request. HNBs can send this request for number of neighbouring HNBs.This counter is maintained by hnbgw service. Trigger : Whenever an HNB which is registered with the HNBGW discovers new HNB in its neighbour it sends this request.	Not Defined	Int32	Standard
hnbgw-hnbap	hnb-config-transfer-response-tx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-response is sent from HNB. This counter is maintained per hnbgw service. Trigger : Whenever HNBGW sends the config transfer response to HNB this counter is incremented.	Not Defined	Int32	Standard
hnbgw-hnbap-close	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-hnbap-close	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBAP-HNBAP-Closed service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-hnbap-close	servname	STRING	Primary-key	active	The name of the HNBGW-HNBAP-CLOSED service for which these statistics are being displayed.	Configuration	Per HNBAP-HNBAP-Closed Service	Standard
hnbgw-hnbap-close	registered-hnb	INT32	Gauge	active	Indicates the total number of registered HNBs. Trigger : Changes when HNB is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	registered-ue	INT32	Gauge	active	Indicates the total number of registered UEs. Trigger : Changes when UE is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-with-ps-conn	INT32	Gauge	active	Indicates the total number of UEs with PS connection. Trigger : Changes when PS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-with-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with CS connection. Trigger : Changes when CS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-with-ps-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with PS and CS connection. Trigger : Changes when PS and CS connections are established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	idle-ue	INT32	Gauge	active	Indicates the total number of Idle UEs. Trigger : Changes when UE is registered with HNB-GW, but no CS and/or PS connection is established with HNB-GW for this UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ps-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in PS domain. Trigger : Changes when a RAB established a connection in PS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	cs-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in CS domain. Trigger : Changes when a RAB established a connection in CS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-req-rx	INT32	Incremental	active	Indicates the total number of HNB Register Request message received. Trigger : Increases when HNB Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	hnb-reg-acc-tx	INT32	Incremental	active	Indicates the total number of HNB Register Accept message transmitted. Trigger : Increases when HNB Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-tx	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-unauth-loc	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized Location. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-unauth-hnb	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized HNB. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-overload	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Overload. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - HNB Parameter Mismatch. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - HNB Parameter Mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-oam-intervention	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - OAM Intervention. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - OAM Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unspecified. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-req-rx	INT32	Incremental	active	Indicates the total number of UE Register Request message received. Trigger : Increases when UE Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-cause-emergency	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Emergency. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Emergency.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-cause-normal	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Normal. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-acc-tx	INT32	Incremental	active	Indicates the total number of UE Register Accept message transmitted. Trigger : Increases when UE Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-rej-tx	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-rej-invalid-ue-id	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Invalid UE Identity. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	ue-reg-rej-ue-not-allowed-on-hnb	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - UE not allowed on HNB. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - UE not allowed on HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-rej-hnb-not-reg	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - HNB not registered. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-reg-rej-ue-unauthorised	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unauthorised. Trigger : Increases when total number of UE Register Reject message transmitted with cause - Unauthorised	Not Defined	Not Defined	Standard
hnbgw-hnbap-close	ue-reg-rej-overload	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Overload. Trigger :Increases when total number of UE Register Reject message transmitted with cause - Overload.	Not Defined	Not Defined	Standard
hnbgw-hnbap-close	ue-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unspecified. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-rx	INT32	Incremental	active	Indicates the total number of HNB De-register message received. Trigger : Increases when HNB De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-rx-normal	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Normal. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Unspecified. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-tx	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted. Trigger : Increases when HNB De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-tx-overload	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Overload. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	hnb-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Unspecified. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-rx	INT32	Incremental	active	Indicates the total number of UE De-register message received. Trigger : Increases when UE De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Connection with UE lost. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE RRC Release. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	ue-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Unspecified. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE Relocated. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE Relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-tx	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted. Trigger : Increases when UE De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - UE registered in another HNB. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Unspecified. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	ue-dereg-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Relocated. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Relocated received.	Not Defined	Not Defined	Standard
hnbgw-hnbap-close	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	Not Defined	Standard
hnbgw-hnbap-close	err-ind-rx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause -Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	err-ind-rx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	err-ind-rx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-rx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC	Not Defined	Not Defined	Standard
hnbgw-hnbap-close	err-ind-tx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	err-ind-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	err-ind-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	err-ind-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-close	tnl-update-req-rx	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages reveived. Trigger : Increments when Tunnel Update request message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-req-rx-cause-reloc-prep	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Relocation Prepation. Trigger : Increments when Tunnel Update request messages received with cause - Relocation Prepation received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-rsp-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response messages. Trigger : Increments when Tunnel Update response messages received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages. Trigger : Increments when Tunnel Update response failed messages received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-overload	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Overload. Trigger : Increases when Tunnel Update request Message received with cause responce overload received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with cause - UE not allowed on this HNB. Trigger : Increments when Tunnel Update response failed messages with cause - UE not allowed on this HNB received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Radio Network Layer cause - Unspecified. Trigger : Increments when Tunnel Update response failed messages with Radio Network Layer cause - Unspecified received.	Not Defined	Int32	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-close	tnl-update-fail-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified Trigger : Incrementswhen the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified received	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-prot-semantic-err	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with - Protocol Semantic Error Trigger : Increments when the total number of Tunnel Update response failed messages with - Protocol Semantic Error received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	tnl-update-fail-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	reloc-complete-rx	INT32	Incremental	active	Indicates relocation complete message received. Trigger : Increments when Relocation message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-close	hnb-config-transfer-request-rx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-request is received from HNB. For each discovery of the new HNB an existing HNB can send this request. HNBs can send this request for number of neighbouring HNBs.This counter is maintained by hnbgw service. Trigger : Whenever an HNB which is registered with the HNBGW discovers new HNB in its neighbour it sends this request.	Not Defined	Int32	Standard
hnbgw-hnbap-close	hnb-config-transfer-response-tx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-response is sent from HNB. This counter is maintained per hnbgw service. Trigger : Whenever HNBGW sends the config transfer response to HNB this counter is incremented.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-hnbap-hybri	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-HNBAP-Hybrid service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-hnbap-hybri	servname	STRING	Primary-key	active	The name of the hnbgw-hnbap-hybrid service for which these statistics are being displayed.	Configuration	Per HNBGW-HNBAP-Hybrid Service	Standard
hnbgw-hnbap-hybri	registered-hnb	INT32	Gauge	active	Indicates the total number of registered HNBs. Trigger : Changes when HNB is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	registered-ue	INT32	Gauge	active	Indicates the total number of registered UEs. Trigger : Changes when UE is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-with-ps-conn	INT32	Gauge	active	Indicates the total number of UEs with PS connection. Trigger : Changes when PS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-with-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with CS connection. Trigger : Changes when CS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-with-ps-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with PS and CS connection. Trigger : Changes when PS and CS connections are established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	ps-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in PS domain. Trigger : Changes when a RAB established a connection in PS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	cs-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in CS domain. Trigger : Changes when a RAB established a connection in CS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	idle-ue	INT32	Gauge	active	Indicates the total number of Idle UEs. Trigger : Changes when UE is registered with HNB-GW, but no CS and/or PS connection is established with HNB-GW for this UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-req-rx	INT32	Incremental	active	Indicates the total number of HNB Register Request message received. Trigger : Increases when HNB Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-acc-tx	INT32	Incremental	active	Indicates the total number of HNB Register Accept message transmitted. Trigger : Increases when HNB Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-tx	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-unauth-loc	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized Location. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-unauth-hnb	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized HNB. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-overload	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Overload. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - HNB Parameter Mismatch. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - HNB Parameter Mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-oam-intervention	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - OAM Intervention. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - OAM Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unspecified. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-req-rx	INT32	Incremental	active	Indicates the total number of UE Register Request message received. Trigger : Increases when UE Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-cause-emergency	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Emergency. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Emergency.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-cause-normal	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Normal. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Normal.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	ue-reg-acc-tx	INT32	Incremental	active	Indicates the total number of UE Register Accept message transmitted. Trigger : Increases when UE Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-rej-tx	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-rej-invalid-ue-id	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Invalid UE Identity. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-rej-ue-not-allowed-on-hnb	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - UE not allowed on HNB. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - UE not allowed on HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-rej-hnb-not-reg	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - HNB not registered. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-reg-rej-ue-unauthorised	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unauthorised. Trigger : Increases when total number of UE Register Reject message transmitted with cause - Unauthorised	Not Defined	Not Defined	Standard
hnbgw-hnbap-hybri	ue-reg-rej-overload	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Overload. Trigger :Increases when total number of UE Register Reject message transmitted with cause - Overload.	Not Defined	Not Defined	Standard
hnbgw-hnbap-hybri	ue-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unspecified. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-rx	INT32	Incremental	active	Indicates the total number of HNB De-register message received. Trigger : Increases when HNB De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-rx-normal	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Normal. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Unspecified. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-tx	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted. Trigger : Increases when HNB De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-tx-overload	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Overload. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	hnb-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Unspecified. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-rx	INT32	Incremental	active	Indicates the total number of UE De-register message received. Trigger : Increases when UE De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	ue-dereg-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Connection with UE lost. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE RRC Release. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Unspecified. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE Relocated. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE Relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-tx	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted. Trigger : Increases when UE De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - UE registered in another HNB. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Unspecified. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	ue-dereg-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Relocated. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Relocated received.	Not Defined	Not Defined	Standard
hnbgw-hnbap-hybri	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	Not Defined	Standard
hnbgw-hnbap-hybri	err-ind-rx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause -Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	err-ind-rx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	err-ind-rx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-rx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	err-ind-rx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC	Not Defined	Not Defined	Standard
hnbgw-hnbap-hybri	err-ind-tx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	err-ind-tx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	err-ind-tx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	err-ind-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-hybri	tnl-update-req-rx	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages reveived. Trigger : Increments when Tunnel Update request message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-req-rx-cause-reloc-prep	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Relocation Prepation. Trigger : Increments when Tunnel Update request messages received with cause - Relocation Prepation received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-rsp-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response messages. Trigger : Increments when Tunnel Update response messages received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages. Trigger : Increments when Tunnel Update response failed messages received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-overload	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Overload. Trigger : Increases when Tunnel Update request Message received with cause responce overload received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with cause - UE not allowed on this HNB. Trigger : Increments when Tunnel Update response failed messages with cause - UE not allowed on this HNB received.	Not Defined	Int32	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-hybri	tnl-update-fail-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Radio Network Layer cause - Unspecified. Trigger : Increments when Tunnel Update response failed messages with Radio Network Layer cause - Unspecified received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified Trigger : Incrementswhen the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified received	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-prot-semantic-err	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with - Protocol Semantic Error Trigger : Increments when the total number of Tunnel Update response failed messages with - Protocol Semantic Error received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	tnl-update-fail-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	reloc-complete-rx	INT32	Incremental	active	Indicates relocation complete message received. Trigger : Increments when Relocation message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	hnb-config-transfer-request-rx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-request is received from HNB. For each discovery of the new HNB an existing HNB can send this request. HNBs can send this request for number of neighbouring HNBs.This counter is maintained by hnbgw service. Trigger : Whenever an HNB which is registered with the HNBGW discovers new HNB in its neighbour it sends this request.	Not Defined	Int32	Standard
hnbgw-hnbap-hybri	hnb-config-transfer-response-tx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-response is sent from HNB. This counter is maintained per hnbgw service. Trigger : Whenever HNBGW sends the config transfer response to HNB this counter is incremented.	Not Defined	Int32	Standard
hnbgw-hnbap-open	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-hnbap-open	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-HNBAP-Open service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-hnbap-open	servname	STRING	Primary-key	active	The name of the hnbgw-hnbap-open service for which these statistics are being displayed.	Configuration	Per HNBGW-HNBAP-Open Service	Standard
hnbgw-hnbap-open	registered-hnb	INT32	Gauge	active	Indicates the total number of registered HNBs. Trigger : Changes when HNB is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	registered-ue	INT32	Gauge	active	Indicates the total number of registered UEs. Trigger : Changes when UE is successfully registered with HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-with-ps-conn	INT32	Gauge	active	Indicates the total number of UEs with PS connection. Trigger : Changes when PS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-with-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with CS connection. Trigger : Changes when CS connection is established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	ue-with-ps-cs-conn	INT32	Gauge	active	Indicates the total number of UEs with PS and CS connection. Trigger : Changes when PS and CS connections are established with HNB-GW for a UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	idle-ue	INT32	Gauge	active	Indicates the total number of Idle UEs. Trigger : Changes when UE is registered with HNB-GW, but no CS and/or PS connection is established with HNB-GW for this UE.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ps-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in PS domain. Trigger : Changes when a RAB established a connection in PS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	cs-rab-conn	INT32	Gauge	active	Indicates the total number of radio access bearer connection in CS domain. Trigger : Changes when a RAB established a connection in CS domain. Statistics type : Gauge	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-req-rx	INT32	Incremental	active	Indicates the total number of HNB Register Request message received. Trigger : Increases when HNB Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-acc-tx	INT32	Incremental	active	Indicates the total number of HNB Register Accept message transmitted. Trigger : Increases when HNB Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-tx	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-unauth-loc	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized Location. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-unauth-hnb	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unauthorized HNB. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-overload	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Overload. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - HNB Parameter Mismatch. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - HNB Parameter Mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-oam-intervention	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - OAM Intervention. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - OAM Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of HNB Register Reject message transmitted with cause - Unspecified. Trigger : Increases when HNB Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-req-rx	INT32	Incremental	active	Indicates the total number of UE Register Request message received. Trigger : Increases when UE Register Request message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-cause-emergency	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Emergency. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Emergency.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	ue-reg-cause-normal	INT32	Incremental	active	Indicates the total number of UE Register Request message received with Registration cause - Normal. Trigger : Increases when UE Register Request message is received by HNB-GW with Registration cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-acc-tx	INT32	Incremental	active	Indicates the total number of UE Register Accept message transmitted. Trigger : Increases when UE Register Accept message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-rej-tx	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-rej-invalid-ue-id	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Invalid UE Identity. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-rej-ue-not-allowed-on-hnb	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - UE not allowed on HNB. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - UE not allowed on HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-rej-hnb-not-reg	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - HNB not registered. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-reg-rej-ue-unauthorised	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unauthorised. Trigger : Increases when total number of UE Register Reject message transmitted with cause - Unauthorised	Not Defined	Not Defined	Standard
hnbgw-hnbap-open	ue-reg-rej-overload	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Overload. Trigger :Increases when total number of UE Register Reject message transmitted with cause - Overload.	Not Defined	Not Defined	Standard
hnbgw-hnbap-open	ue-reg-rej-unspecified	INT32	Incremental	active	Indicates the total number of UE Register Reject message transmitted with cause - Unspecified. Trigger : Increases when UE Register Reject message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-dereg-rx	INT32	Incremental	active	Indicates the total number of HNB De-register message received. Trigger : Increases when HNB De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-dereg-rx-normal	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Normal. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message received with cause - Unspecified. Trigger : Increases when HNB De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-dereg-tx	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted. Trigger : Increases when HNB De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	hnb-dereg-tx-overload	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Overload. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Overload.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	hnb-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of HNB De-register message transmitted with cause - Unspecified. Trigger : Increases when HNB De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-rx	INT32	Incremental	active	Indicates the total number of UE De-register message received. Trigger : Increases when UE De-register message is received by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Connection with UE lost. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE RRC Release. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-rx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - Unspecified. Trigger : Increases when UE De-register message is received by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message received with cause - UE Relocated. Trigger : Increases when UE De-register message is received by HNB-GW with cause - UE Relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-tx	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted. Trigger : Increases when UE De-register message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - UE registered in another HNB. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-tx-unspecified	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Unspecified. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	ue-dereg-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of UE De-register message transmitted with cause - Relocated. Trigger : Increases when UE De-register message is transmitted by HNB-GW with cause - Relocated received.	Not Defined	Not Defined	Standard
hnbgw-hnbap-open	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	Not Defined	Standard
hnbgw-hnbap-open	err-ind-rx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause -Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	err-ind-rx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	err-ind-rx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message received with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is received by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	err-ind-rx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-rx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC	Not Defined	Not Defined	Standard
hnbgw-hnbap-open	err-ind-tx-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause -Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-unauth-loc	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized Location. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized Location.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-unauth-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unauthorized HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unauthorized HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-hnb-param-mismatch	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB Parameter mismatch. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB Parameter mismatch.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-invalid-ue-id	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Invalid UE Identity. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Invalid UE Identity.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE not allowed on this HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE not allowed on this HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-ue-unauth	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE unauthorized. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE unauthorized.	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	err-ind-tx-conn-with-ue-lost	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connection with UE lost. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connection with UE lost.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-ue-rrc-rel	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE RRC Release. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE RRC Release.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-hnb-not-reg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - HNB not registered. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - HNB not registered.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-normal	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-ue-relocated	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE relocated. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE relocated.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-ue-reg-in-another-hnb	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - UE registered in another HNB. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - UE registered in another HNB.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-trans-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-trans-syn-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW Services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-msg-not-comp-with-rcvr-state	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-semantic-err	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-abs-syn-err-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg). Trigger : Increases when Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-processing-overload	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-hw-failure	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-oam-intervention	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	err-ind-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : Increases when Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW Services	Standard
hnbgw-hnbap-open	tnl-update-req-rx	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages reveived. Trigger : Increments when Tunnel Update request message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-req-rx-cause-reloc-prep	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Relocation Prepation. Trigger : Increments when Tunnel Update request messages received with cause - Relocation Prepation received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-rsp-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response messages. Trigger : Increments when Tunnel Update response messages received.	Not Defined	Int32	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-hnbap-open	tnl-update-fail-tx	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages. Trigger : Increments when Tunnel Update response failed messages received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-overload	INT32	Incremental	active	Indicates the total number of Tunnel Update request messages received with cause - Overload. Trigger : Increases when Tunnel Update request Message received with cause responce overload received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-ue-not-allowed-on-this-hnb	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with cause - UE not allowed on this HNB. Trigger : Increments when Tunnel Update response failed messages with cause - UE not allowed on this HNB received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-rnl-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Radio Network Layer cause - Unspecified. Trigger : Increments when Tunnel Update response failed messages with Radio Network Layer cause - Unspecified received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-trans-res-unavailable	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-prot-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified Trigger : Incrementswhen the total number of Tunnel Update response failed messages with Protocol Layer cause - Unspecified received	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-prot-semantic-err	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with - Protocol Semantic Error Trigger : Increments when the total number of Tunnel Update response failed messages with - Protocol Semantic Error received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	tnl-update-fail-tx-misc-unspecified	INT32	Incremental	active	Indicates the total number of Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable. Trigger : Increments when Tunnel Update response failed messages with Transport Layer cause - Transport resource unavailable received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	reloc-complete-rx	INT32	Incremental	active	Indicates relocation complete message received. Trigger : Increments when Relocation message is received.	Not Defined	Int32	Standard
hnbgw-hnbap-open	hnb-config-transfer-request-rx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-request is received from HNB. For each discovery of the new HNB an existing HNB can send this request. HNBs can send this request for number of neighbouring HNBs.This counter is maintained by hnbgw service. Trigger : Whenever an HNB which is registered with the HNBGW discovers new HNB in its neighbour it sends this request.	Not Defined	Int32	Standard
hnbgw-hnbap-open	hnb-config-transfer-response-tx	INT32	Incremental	active	This variables indicates number of times hnb-config-transfer-response is sent from HNB. This counter is maintained per hnbgw service. Trigger : Whenever HNBGW sends the config transfer response to HNB this counter is incremented.	Not Defined	Int32	Standard
hnbgw-sctp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-sctp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-SCTP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-sctp	servname	STRING	Primary-key	active	The name of the HNBGW-SCTP service for which these statistics are being displayed.	Configuration	Per HNBGW-SCTP Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sctp	trans-sctp-data-init-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Init Chunks. Trigger : Increases when SCTP Data for Init Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-init-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Init Ack Chunks. Trigger : Increases when SCTP Data for Init Ack Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-shutdown-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Shutdown Chunks. Trigger : Increases when SCTP Data for Shutdown Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-shutdown-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Shutdown Ack Chunks. Trigger : Increases when SCTP Data for Shutdown Ack Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-cookie-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Cookie Chunks. Trigger : Increases when SCTP Data for Cookie Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-cookie-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Cookie Ack Chunks. Trigger : Increases when SCTP Data for Cookie Ack Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-data-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Data Chunks. Trigger : Increases when SCTP Data for Data Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-data-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Data Ack Chunks. Trigger : Increases when SCTP Data for Data Ack Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-shutdown-comp-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Shutdown Complete Chunks. Trigger : Increases when SCTP Data for Shutdown Complete Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-heartbeat-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Heartbeat Chunks. Trigger : Increases when SCTP Data for Heartbeat Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-heartbeat-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for HeartBeat Ack Chunks. Trigger : Increases when SCTP Data for HeartBeat Ack Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-abort-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Abort Chunks. Trigger : Increases when SCTP Data for Abort Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	trans-sctp-data-error-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets transmitted for Error Chunks. Trigger : Increases when SCTP Data for Error Chunks are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-init-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Init Chunks. Trigger : Increases when SCTP Data for Init Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-init-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Init Ack Chunks. Trigger : Increases when SCTP Data for Init Ack Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-shutdown-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Shutdown Chunks. Trigger : Increases when SCTP Data for Shutdown Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-shutdown-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Shutdown Ack Chunks. Trigger : Increases when SCTP Data for Shutdown Ack Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sctp	rcvd-sctp-data-cookie-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Cookie Chunks. Trigger : Increases when SCTP Data for Cookie Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-cookie-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Cookie Ack Chunks. Trigger : Increases when SCTP Data for Cookie Ack Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-data-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Data Chunks. Trigger : Increases when SCTP Data for Data Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-data-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Data Ack Chunks. Trigger : Increases when SCTP Data for Data Ack Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-shutdown-comp-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Shutdown Complete Chunks. Trigger : Increases when SCTP Data for Shutdown Complete Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-heartbeat-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Heartbeat Chunks. Trigger : Increases when SCTP Data for Heartbeat Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-heartbeat-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for HeartBeat Ack Chunks. Trigger : Increases when SCTP Data for HeartBeat Ack Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-abort-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Abort Chunks. Trigger : Increases when SCTP Data for Abort Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	rcvd-sctp-data-error-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets received for Error Chunks. Trigger : Increases when SCTP Data for Error Chunks are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	retrans-sctp-data-init-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets retransmitted for Init Chunks. Trigger : Increases when SCTP Data for Init Chunks are retransmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	retrans-sctp-data-shutdown-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets retransmitted for Shutdown Chunks. Trigger : Increases when SCTP Data for Shutdown Chunks are retransmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	retrans-sctp-data-shutdown-ack-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets retransmitted for Shutdown Ack Chunks. Trigger : Increases when SCTP Data for Shutdown Ack Chunks are retransmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	retrans-sctp-data-data-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets retransmitted for Data Chunks. Trigger : Increases when SCTP Data for Data Chunks are retransmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	retrans-sctp-data-cookie-chunks	INT32	Incremental	active	Indicates the total number of SCTP packets retransmitted for Cookie Chunks. Trigger : Increases when SCTP Data for Cookie Chunks are retransmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	total-bytes-sent-to-lower-layer	INT32	Incremental	active	Indicates the total number of SCTP bytes sent to the lower layer. Trigger : Increases when bytes sent to lower layer by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	total-bytes-rcvd-from-lower-layer	INT32	Incremental	active	Indicates the total number of SCTP bytes received from lower layer. Trigger : Increases when bytes from lower layer received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-sctp	total-packets-sent-to-lower-layer	INT32	Incremental	active	Indicates the total number of SCTP packets sent to the lower layer. Trigger : Increases when packets sent to lower layer by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sctp	total-packets-rcvd-from-lower-layer	INT32	Incremental	active	Indicates the total number of SCTP packets received from lower layer. Trigger : Increases when packets from lower layer received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
alcap	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
alcap	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the ALCAP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
alcap	servname	STRING	Primary-key	active	The name of the ALCAP service for which these statistics are being displayed.	Configuration	Per ALCAP Service	Standard
alcap	num-aal2-channels-in-idle-state	INT32	Gauge	active	Indicates the total number of AAL2 channels in IDLE state.	When AAL2 channel goes to IDLE state.	Across all ALCAP Services.	Standard
alcap	num-aal2-channels-in-connected-state	INT32	Gauge	active	Indicates the total number of AAL2 channels in CONNECTED state.	When AAL2 channel goes to CONNECTED state.	Across all ALCAP Services.	Standard
alcap	num-aal2-channels-in-connecting	INT32	Gauge	active	Indicates the total number of AAL2 channels in CONNECTING state.	When AAL2 channel goes to CONNECTING state.	Across all ALCAP Services.	Standard
alcap	num-aal2-channels-in-rel-pending-state	INT32	Gauge	active	Indicates the total number of AAL2 channels in RELEASE PENDING state.	When AAL2 channel goes to RELEASE PENDING state.	Across all ALCAP Services.	Standard
alcap	num-aal2-channels-in-reset-pending-state	INT32	Gauge	active	Indicates the total number of AAL2 channels in RESET PENDING state.	When AAL2 channel goes to RESET PENDING state.	Across all ALCAP Services.	Standard
alcap	num-aal2-paths-in-locally-blocked-state	INT32	Gauge	active	Indicates the total number of AAL2 Paths in LOCALLY BLOCKED state.	When AAL2 Path goes to LOCALLY BLOCKED state.	Across all ALCAP Services.	Standard
alcap	num-aal2-paths-in-remote-blocked-state	INT32	Gauge	active	Indicates the total number of AAL2 Paths in REMOTE BLOCKED state.	When AAL2 Path goes to REMOTE BLOCKED state.	Across all ALCAP Services.	Standard
alcap	num-aal2-paths-in-blocked-state	INT32	Gauge	active	Indicates the total number of AAL2 Paths in BLOCKED (REMOTE + LOCAL) state.	When AAL2 Path goes to BLOCKED (REMOTE + LOCAL) state.	Across all ALCAP Services.	Standard
alcap	num-aal2-paths-in-reset-pending-state	INT32	Gauge	active	Indicates the total number of AAL2 Paths in RESET PENDING state.	When AAL2 Path goes to RESET PENDING state.	Across all ALCAP Services.	Standard
alcap	est-req-tx	INT32	Incremental	active	Indicates the total number of Establish Request message transmitted.	When Establish Request is transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	est-confirm-rx	INT32	Incremental	active	Indicates the total number of Establish Confirm message received.	When Establish Confirm message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	est-confirm-rx-drop-no-conn-to-handle	INT32	Incremental	active	Indicates the total number of Establish Confirm message received for Dropped/No Connection To Handle.	When Establish Confirm message is received by ALCAP Service for Dropped/No Connection To Handle.	Across all ALCAP Services.	Standard
alcap	rel-req-tx	INT32	Incremental	active	The total number of release request messages transmitted.	Not Defined	Not Defined	Standard
alcap	rel-req-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Unallocated (unassigned) number.	When Release Request is Transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for No route to destination.	When Release Request is Transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Normal/unspecified.	When Release Request is Transmitted by ALCAP Service for Normal/unspecified.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-req-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for No circuit/channel available.	When Release Request is Transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Network out of order.	When Release Request is Transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Temporary failure.	When Release Request is Transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Switching equipment congestion.	When Release Request is Transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Requested circuit/channel not available.	When Release Request is Transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Resource unavailable/unspecified.	When Release Request is Transmitted by ALCAP Service for Resource unavailable/unspecified.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for AAL parameters cannot be supported.	When Release Request is Transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Invalid message/unspecified.	When Release Request is Transmitted by ALCAP Service for Invalid message/unspecified.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Mandatory information element is missing.	When Release Request is Transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Message type non-existent or not implemented.	When Release Request is Transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Information element/parameter non-existent or not implemented.	When Release Request is Transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Invalid information element contents.	When Release Request is Transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-req-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Recovery on timer expiry.	When Release Request is Transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	rel-req-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Release Request message transmitted for Message with unrecognized parameter/discarded.	When Release Request is Transmitted by ALCAP Service for Message with unrecognized parameter/discarded.	Across all ALCAP Services.	Standard
alcap	rel-req-rx	INT32	Incremental	active	The total number of release request messages received.	Not Defined	Not Defined	Standard
alcap	rel-req-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Unallocated (unassigned) number.	When Release Request is Received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for No route to destination.	When Release Request is Received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Normal, unspecified.	When Release Request is Received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for No circuit/channel available.	When Release Request is Received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Network out of order.	When Release Request is Received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Temporary failure.	When Release Request is Received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Switching equipment congestion.	When Release Request is Received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Requested circuit/channel not available.	When Release Request is Received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Resource unavailable, unspecified.	When Release Request is Received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for AAL parameters cannot be supported.	When Release Request is Received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Invalid message, unspecified.	When Release Request is Received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Mandatory information element is missing.	When Release Request is Received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-req-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Message type non-existent or not implemented.	When Release Request is Received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Information element/parameter non-existent or not implemented.	When Release Request is Received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Invalid information element contents.	When Release Request is Received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Recovery on timer expiry.	When Release Request is Received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	rel-req-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Release Request message received for Message with unrecognized parameter, discarded.	When Release Request is Received by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message transmitted.	When Release Confirm message is transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Unallocated (unassigned) number.	When Release confirm is Transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for No route to destination.	When Release confirm is Transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Normal, unspecified.	When Release confirm is Transmitted by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for No circuit/channel available.	When Release confirm is Transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Network out of order.	When Release confirm is Transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Temporary failure.	When Release confirm is Transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Switching equipment congestion.	When Release confirm is Transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-confirm-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Requested circuit/channel not available.	When Release confirm is Transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Resource unavailable, unspecified.	When Release confirm is Transmitted by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for AAL parameters cannot be supported.	When Release confirm is Transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Invalid message, unspecified.	When Release confirm is Transmitted by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Mandatory information element is missing.	When Release confirm is Transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Message type non-existent or not implemented.	When Release confirm is Transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Information element/parameter non-existent or not implemented.	When Release confirm is Transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Invalid information element contents.	When Release confirm is Transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Recovery on timer expiry.	When Release confirm is Transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	rel-confirm-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Release Confirm message received for Message with unrecognized parameter, discarded.	When Release confirm is Transmitted by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx	INT32	Incremental	active	Indicates the total number of Release Confirm message received.	When Release Confirm message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Unallocated (unassigned) number.	When Release Confirm message is received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-confirm-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for No route to destination.	When Release Confirm message is received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Normal, unspecified.	When Release Confirm message is received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for No circuit/channel available.	When Release Confirm message is received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Network out of order.	When Release Confirm message is received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Temporary failure.	When Release Confirm message is received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Switching equipment congestion.	When Release Confirm message is received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Requested circuit/channel not available.	When Release Confirm message is received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Resource unavailable, unspecified.	When Release Confirm message is received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for AAL parameters cannot be supported.	When Release Confirm message is received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Invalid message, unspecified.	When Release Confirm message is received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Mandatory information element is missing.	When Release Confirm message is received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Message type non-existent or not implemented.	When Release Confirm message is received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	rel-confirm-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Information element/parameter non-existent or not implemented.	When Release Confirm message is received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Invalid information element contents.	When Release Confirm message is received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Recovery on timer expiry.	When Release Confirm message is received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	rel-confirm-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Release confirm Received for Message with unrecognized parameter, discarded.	When Release Confirm message is received by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	modify-req-tx	INT32	Incremental	active	Indicates the total number of Modify Request message transmitted.	When Modify Request is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	modify-req-rx	INT32	Incremental	active	Indicates the total number of Modify Request message received.	When Modify Request is Received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	modify-ack-tx	INT32	Incremental	active	Indicates the total number of Modify Acknowledge Transmitted.	When Modify Acknowledge is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	modify-ack-rx	INT32	Incremental	active	Indicates the total number of Modify Acknowledge message received.	When Modify Acknowledge is Received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	modify-rej-tx	INT32	Incremental	active	Indicates the total number of Modify Reject Transmitted.	When Modify Reject is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	modify-rej-rx	INT32	Incremental	active	Indicates the total number of Modify Reject message received.	When Modify Reject is Received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	blo-req-tx	INT32	Incremental	active	Indicates the total number of Block Request message transmitted.	When Block Request is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	blo-req-rx	INT32	Incremental	active	Indicates the total number of Block Request message received for.	When Block Request is Received by ALCAP Service for.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received.	When Block confirm is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Unallocated (unassigned) number.	When Block confirm is Transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for No route to destination.	When Block confirm is Transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	blo-cfm-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Normal, unspecified.	When Block confirm is Transmitted by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for No circuit/channel available.	When Block confirm is Transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Network out of order.	When Block confirm is Transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Temporary failure.	When Block confirm is Transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Switching equipment congestion.	When Block confirm is Transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Requested circuit/channel not available.	When Block confirm is Transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Resource unavailable, unspecified.	When Block confirm is Transmitted by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for AAL parameters cannot be supported.	When Block confirm is Transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Invalid message, unspecified.	When Block confirm is Transmitted by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Mandatory information element is missing.	When Block confirm is Transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Message type non-existent or not implemented.	When Block confirm is Transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Information element/parameter non-existent or not implemented.	When Block confirm is Transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	blo-cfm-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Invalid information element contents.	When Block confirm is Transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Recovery on timer expiry.	When Block confirm is Transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	blo-cfm-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Message with unrecognized parameter, discarded.	When Block confirm is Transmitted by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx	INT32	Incremental	active	Indicates the total number of Block confirm message received.	When Block Confirm message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Unallocated (unassigned) number.	When Block Confirm message is received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for No route to destination.	When Block Confirm message is received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Normal, unspecified.	When Block Confirm message is received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for No circuit/channel available.	When Block Confirm message is received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Network out of order.	When Block Confirm message is received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Temporary failure.	When Block Confirm message is received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Switching equipment congestion.	When Block Confirm message is received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Requested circuit/channel not available.	When Block Confirm message is received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	blo-cfm-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Resource unavailable, unspecified.	When Block Confirm message is received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for AAL parameters cannot be supported.	When Block Confirm message is received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Invalid message, unspecified.	When Block Confirm message is received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Mandatory information element is missing.	When Block Confirm message is received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Message type non-existent or not implemented.	When Block Confirm message is received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Information element/parameter non-existent or not implemented.	When Block Confirm message is received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Invalid information element contents.	When Block Confirm message is received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Recovery on timer expiry.	When Block Confirm message is received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	blo-cfm-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Block Confirm message received for Message with unrecognized parameter, discarded.	When Block Confirm message is received by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	unblo-req-tx	INT32	Incremental	active	Indicates the total number of Unblock Request message transmitted.	When Unblock Request is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	unblo-req-rx	INT32	Incremental	active	Indicates the total number of Unblock Request message received.	When Unblock Request is Received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted.	When Unblock Confirm message is transmitted by ALCAP Service.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	unblo-cfm-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Unallocated (unassigned) number.	When Unblock Confirm message is transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for No route to destination.	When Unblock Confirm message is transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Normal, unspecified.	When Unblock Confirm message is transmitted by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for No circuit/channel available.	When Unblock Confirm message is transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Network out of order.	When Unblock Confirm message is transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Temporary failure.	When Unblock Confirm message is transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Switching equipment congestion.	When Unblock Confirm message is transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Requested circuit/channel not available.	When Unblock Confirm message is transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Resource unavailable, unspecified.	When Unblock Confirm message is transmitted by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for AAL parameters cannot be supported.	When Unblock Confirm message is transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Invalid message, unspecified.	When Unblock Confirm message is transmitted by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Mandatory information element is missing.	When Unblock Confirm message is transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	unblo-cfm-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Message type non-existent or not implemented.	When Unblock Confirm message is transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Information element/parameter non-existent or not implemented.	When Unblock Confirm message is transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Invalid information element contents.	When Unblock Confirm message is transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Recovery on timer expiry.	When Unblock Confirm message is transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message transmitted for Message with unrecognized parameter, discarded.	When Unblock Confirm message is transmitted by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received.	When Unblock Confirm message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Unallocated (unassigned) number.	When Unblock Confirm message is received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for No route to destination.	When Unblock Confirm message is received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Normal, unspecified.	When Unblock Confirm message is received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for No circuit/channel available.	When Unblock Confirm message is received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Network out of order.	When Unblock Confirm message is received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Temporary failure.	When Unblock Confirm message is received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	unblo-cfm-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Switching equipment congestion.	When Unblock Confirm message is received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Requested circuit/channel not available.	When Unblock Confirm message is received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Resource unavailable, unspecified.	When Unblock Confirm message is received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for AAL parameters cannot be supported.	When Unblock Confirm message is received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Invalid message, unspecified.	When Unblock Confirm message is received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Mandatory information element is missing.	When Unblock Confirm message is received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Message type non-existent or not implemented.	When Unblock Confirm message is received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Information element/parameter non-existent or not implemented.	When Unblock Confirm message is received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Invalid information element contents.	When Unblock Confirm message is received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Recovery on timer expiry.	When Unblock Confirm message is received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	unblo-cfm-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Unblock Confirm message received for Message with unrecognized parameter, discarded.	When Unblock Confirm message is received by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	reset-req-tx	INT32	Incremental	active	Indicates the total number of Reset Request message transmitted.	When Reset Request is Transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	reset-req-rx	INT32	Incremental	active	Indicates the total number of Reset Request message received.	When Reset Request is Received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted.	When Reset Confirm message is transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Unallocated (unassigned) number.	When Reset Confirm message is transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for No route to destination.	When Reset Confirm message is transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Normal, unspecified.	When Reset Confirm message is transmitted by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for No circuit/channel available.	When Reset Confirm message is transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Network out of order.	When Reset Confirm message is transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Temporary failure.	When Reset Confirm message is transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Switching equipment congestion.	When Reset Confirm message is transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Requested circuit/channel not available.	When Reset Confirm message is transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Resource unavailable, unspecified.	When Reset Confirm message is transmitted by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for AAL parameters cannot be supported.	When Reset Confirm message is transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	res-cfm-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Invalid message, unspecified.	When Reset Confirm message is transmitted by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Mandatory information element is missing.	When Reset Confirm message is transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Message type non-existent or not implemented.	When Reset Confirm message is transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Information element/parameter non-existent or not implemented.	When Reset Confirm message is transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Invalid information element contents.	When Reset Confirm message is transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Recovery on timer expiry.	When Reset Confirm message is transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	res-cfm-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Reset Confirm message transmitted for Message with unrecognized parameter, discarded.	When Reset Confirm message is transmitted by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received.	When Reset Confirm message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Unallocated (unassigned) number.	When Reset Confirm message is received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for No route to destination.	When Reset Confirm message is received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Normal, unspecified.	When Reset Confirm message is received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for No circuit/channel available.	When Reset Confirm message is received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	res-cfm-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Network out of order.	When Reset Confirm message is received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Temporary failure.	When Reset Confirm message is received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Switching equipment congestion.	When Reset Confirm message is received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Requested circuit/channel not available.	When Reset Confirm message is received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Resource unavailable, unspecified.	When Reset Confirm message is received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for AAL parameters cannot be supported.	When Reset Confirm message is received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Invalid message, unspecified.	When Reset Confirm message is received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Mandatory information element is missing.	When Reset Confirm message is received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Message type non-existent or not implemented.	When Reset Confirm message is received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Information element/parameter non-existent or not implemented.	When Reset Confirm message is received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Invalid information element contents.	When Reset Confirm message is received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	res-cfm-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Recovery on timer expiry.	When Reset Confirm message is received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	res-cfm-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Reset Confirm message received for Message with unrecognized parameter, discarded.	When Reset Confirm message is received by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	confusion-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted .	When Confusion message is transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	confusion-tx-unallocated-no-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Unallocated (unassigned) number.	When Confusion message is transmitted by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	confusion-tx-no-route-to-dest-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for No route to destination.	When Confusion message is transmitted by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	confusion-tx-normal-unspecified-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Normal, unspecified.	When Confusion message is transmitted by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-tx-no-cir-channel-avail-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for No circuit/channel available.	When Confusion message is transmitted by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard
alcap	confusion-tx-nw-out-of-order-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Network out of order.	When Confusion message is transmitted by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	confusion-tx-temp-failure-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Temporary failure.	When Confusion message is transmitted by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	confusion-tx-switching-equip-congestion-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Switching equipment congestion.	When Confusion message is transmitted by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	confusion-tx-req-cir-channel-not-avail-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Requested circuit/channel not available.	When Confusion message is transmitted by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	confusion-tx-res-unavail-unspecified-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Resource unavailable, unspecified.	When Confusion message is transmitted by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-tx-aal-param-cant-be-supported-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for AAL parameters cannot be supported.	When Confusion message is transmitted by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	confusion-tx-inv-msg-unspecified-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Invalid message, unspecified.	When Confusion message is transmitted by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-tx-mandatory-ie-missing-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Mandatory information element is missing.	When Confusion message is transmitted by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	confusion-tx-msg-type-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Message type non-existent or not implemented.	When Confusion message is transmitted by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	confusion-tx-ie-param-non-exist-not-impl-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Information element/parameter non-existent or not implemented.	When Confusion message is transmitted by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	confusion-tx-invalid-ie-contents-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Invalid information element contents.	When Confusion message is transmitted by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	confusion-tx-recovery-on-timer-exp-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Recovery on timer expiry.	When Confusion message is transmitted by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard
alcap	confusion-tx-msg-unrec-param-discard-tx	INT32	Incremental	active	Indicates the total number of Confusion message transmitted for Message with unrecognized parameter, discarded.	When Confusion message is transmitted by ALCAP Service for Message with unrecognized parameter, discarded.	Across all ALCAP Services.	Standard
alcap	confusion-rx	INT32	Incremental	active	Indicates the total number of Confusion message received.	When Confusion message is received by ALCAP Service.	Across all ALCAP Services.	Standard
alcap	confusion-rx-unallocated-no-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Unallocated (unassigned) number.	When Confusion message is received by ALCAP Service for Unallocated (unassigned) number.	Across all ALCAP Services.	Standard
alcap	confusion-rx-no-route-to-dest-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for No route to destination.	When Confusion message is received by ALCAP Service for No route to destination.	Across all ALCAP Services.	Standard
alcap	confusion-rx-normal-unspecified-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Normal, unspecified.	When Confusion message is received by ALCAP Service for Normal, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-rx-no-cir-channel-avail-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for No circuit/channel available.	When Confusion message is received by ALCAP Service for No circuit/channel available.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	confusion-rx-nw-out-of-order-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Network out of order.	When Confusion message is received by ALCAP Service for Network out of order.	Across all ALCAP Services.	Standard
alcap	confusion-rx-temp-failure-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Temporary failure.	When Confusion message is received by ALCAP Service for Temporary failure.	Across all ALCAP Services.	Standard
alcap	confusion-rx-switching-equip-congestion-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Switching equipment congestion.	When Confusion message is received by ALCAP Service for Switching equipment congestion.	Across all ALCAP Services.	Standard
alcap	confusion-rx-req-cir-channel-not-avail-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Requested circuit/channel not available.	When Confusion message is received by ALCAP Service for Requested circuit/channel not available.	Across all ALCAP Services.	Standard
alcap	confusion-rx-res-unavail-unspecified-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Resource unavailable, unspecified.	When Confusion message is received by ALCAP Service for Resource unavailable, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-rx-aal-param-cant-be-supported-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for AAL parameters cannot be supported.	When Confusion message is received by ALCAP Service for AAL parameters cannot be supported.	Across all ALCAP Services.	Standard
alcap	confusion-rx-inv-msg-unspecified-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Invalid message, unspecified.	When Confusion message is received by ALCAP Service for Invalid message, unspecified.	Across all ALCAP Services.	Standard
alcap	confusion-rx-mandatory-ie-missing-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Mandatory information element is missing.	When Confusion message is received by ALCAP Service for Mandatory information element is missing.	Across all ALCAP Services.	Standard
alcap	confusion-rx-msg-type-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Message type non-existent or not implemented.	When Confusion message is received by ALCAP Service for Message type non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	confusion-rx-ie-param-non-exist-not-impl-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Information element/parameter non-existent or not implemented.	When Confusion message is received by ALCAP Service for Information element/parameter non-existent or not implemented.	Across all ALCAP Services.	Standard
alcap	confusion-rx-invalid-ie-contents-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Invalid information element contents.	When Confusion message is received by ALCAP Service for Invalid information element contents.	Across all ALCAP Services.	Standard
alcap	confusion-rx-recovery-on-timer-exp-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Recovery on timer expiry.	When Confusion message is received by ALCAP Service for Recovery on timer expiry.	Across all ALCAP Services.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
alcap	confusion-rx-msg-unrec-param-discard-rx	INT32	Incremental	active	Indicates the total number of Confusion message received for Message with unrecognized parameter or discarded.	When Confusion message is received by ALCAP Service for Message with unrecognized parameter/discarded.	Across all ALCAP Services	Standard
aal2	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
aal2	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the AAL2 service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
aal2	servname	STRING	Primary-key	active	The name of the AAL2 service for which these statistics are being displayed.	Configuration	Per AAL2 Service	Standard
aal2	uplink-pkts-tx	INT64	Incremental	active	Indicates the total number of AAL2 Uplink Packets transmitted.	When AAL2 Uplink Packets are transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	uplink-byts-tx	INT64	Incremental	active	Indicates the total number of AAL2 Uplink Bytes transmitted.	When AAL2 Uplink Bytes are transmitted by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	downlink-pkts-rx	INT64	Incremental	active	Indicates the total number of AAL2 Downlink Packets received.	When AAL2 Downlink Packets are received by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	downlink-byts-rx	INT64	Incremental	active	Indicates the total number of AAL2 Downlink Bytes received.	When AAL2 Downlink Bytes are received by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	downlink-pkts-dropped	INT64	Incremental	active	Indicates the total number of AAL2 Downlink packets dropped.	When AAL2 Downlink packets are dropped by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	downlink-pkts-drop-rab-not-in-conn-state	INT64	Incremental	active	Indicates the total number of AAL2 Downlink Packets dropped with cause RAB not in CONNETED state.	When AAL2 Downlink Packets are dropped by ALCAP Service with cause RAB not in CONNETED state.	Across all ALCAP Services.	Standard
aal2	downlink-pkts-drop-cause-misc	INT64	Incremental	active	Indicates the total number of AAL2 Downlink Packets dropped with cause Miscellaneous.	When AAL2 Downlink Packets are dropped by ALCAP Service with cause Miscellaneous.	Across all ALCAP Services.	Standard
aal2	downlink-byts-dropped	INT64	Incremental	active	Indicates the total number of AAL2 Downlink bytes dropped.	When AAL2 Downlink bytes are dropped by ALCAP Service.	Across all ALCAP Services.	Standard
aal2	downlink-byts-drop-rab-not-in-conn-state	INT64	Incremental	active	Indicates the total number of AAL2 Downlink bytes dropped with cause RAB not in CONNETED state.	When AAL2 Downlink bytes are dropped by ALCAP Service with cause RAB not in CONNETED state.	Across all ALCAP Services.	Standard
aal2	downlink-byts-drop-cause-misc	INT64	Incremental	active	Indicates the total number of AAL2 Downlink bytes dropped with cause Miscellaneous.	When AAL2 Downlink Bytes are dropped by ALCAP Service with cause Miscellaneous.	Across all ALCAP Services.	Standard
hnbgw-rua	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rua	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RUA service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rua	servname	STRING	Primary-key	active	The name of the HNBGW-RUA service for which these statistics are being displayed.	Configuration	Per HNBGW-RUA Service	Standard
hnbgw-rua	cs-connect-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received. Trigger : When RUA CS Domain Connect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-connect-rx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-connect-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA CS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-connect-tx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA CS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed message). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed message).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA CS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA CS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA CS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-conn-less-trans-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message received. Trigger : When RUA CS Domain Connectionless Transfer message received.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-conn-less-trans-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA CS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA CS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA CS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-err-ind-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	cs-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	cs-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received. Trigger : When RUA PS Domain Connect message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-rx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA PS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-connect-tx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA PS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA PS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA PS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA PS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-conn-less-trans-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-conn-less-trans-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA PS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-err-ind-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA PS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua	ps-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua	ps-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rua-closed	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RUA-Closed service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rua-closed	servname	STRING	Primary-key	active	The name of the HNBGW-RUA-CLOSED service for which these statistics are being displayed.	Configuration	Per HNBGW-RUA-Closed Service	Standard
hnbgw-rua-closed	cs-connect-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received. Trigger : When RUA CS Domain Connect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-connect-rx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-connect-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA CS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-connect-tx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA CS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed message). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed message).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA CS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA CS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA CS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-conn-less-trans-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message received. Trigger : When RUA CS Domain Connectionless Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-conn-less-trans-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA CS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA CS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA CS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	cs-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	cs-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-connect-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received. Trigger : When RUA PS Domain Connect message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-connect-rx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-connect-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA PS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-connect-tx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA PS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA PS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA PS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA PS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-conn-less-trans-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-conn-less-trans-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA PS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-err-ind-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA PS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-closed	ps-err-ind-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-closed	ps-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rua-hybrid	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RUA-Hybrid service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rua-hybrid	servname	STRING	Primary-key	active	The name of the HNBGW-RUA-HYBRID service for which these statistics are being displayed.	Configuration	Per HNBGW-RUA-Hybrid Service	Standard
hnbgw-rua-hybrid	cs-connect-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received. Trigger : When RUA CS Domain Connect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-connect-rx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-connect-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA CS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-connect-tx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA CS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed message). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed message).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA CS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA CS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect	Not Defined	services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA CS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-conn-less-trans-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message received. Trigger : When RUA CS Domain Connectionless Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-conn-less-trans-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA CS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA CS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-err-ind-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA CS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	cs-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	cs-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-connect-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received. Trigger : When RUA PS Domain Connect message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-connect-rx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-connect-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA PS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-connect-tx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA PS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA PS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA PS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA PS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-conn-less-trans-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-conn-less-trans-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA PS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA PS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-err-ind-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-hybrid	ps-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-hybrid	ps-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rua-open	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-Rua-Open service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rua-open	servname	STRING	Primary-key	active	The name of the HNBGW-RUA-OPEN service for which these statistics are being displayed.	Configuration	Per HNBGW-Rua-Open Service	Standard
hnbgw-rua-open	cs-connect-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received. Trigger : When RUA CS Domain Connect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-connect-rx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-connect-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA CS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-connect-tx-est-cause-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA CS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA CS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed message). Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed message).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA CS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA CS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA CS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-conn-less-trans-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message received. Trigger : When RUA CS Domain Connectionless Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-conn-less-trans-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA CS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA CS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-err-ind-rx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA CS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-normal	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-connect-failed	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-nw-rel	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-semantic-err	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-processing-overload	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-hw-failure	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	cs-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	cs-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA CS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received. Trigger : When RUA PS Domain Connect message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-rx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-rx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message received with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is received by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted. Trigger : When RUA PS Domain Connect message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-tx-est-cause-emergency	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Emergency Call. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Emergency Call.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-connect-tx-est-cause-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connect message transmitted with Establishment cause - Normal. Trigger : When RUA PS Domain Connect message is transmitted by HNB-GW with Establishment cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received. Trigger : When RUA PS Domain Disconnect (with payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted. Trigger : When RUA PS Domain Disconnect (with payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (with payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (with payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received. Trigger : When RUA PS Domain Disconnect (without payload) message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-wo-payload-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-wo-payload-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted. Trigger : When RUA PS Domain Disconnect (without payload) message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-wo-payload-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Msg not compatible without receiver state. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible without receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-disc-wo-payload-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-disc-wo-payload-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Disconnect (without payload) message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Disconnect (without payload) message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-conn-less-trans-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-conn-less-trans-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Connectionless Transfer message transmitted. Trigger : When RUA PS Domain Connectionless Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received. Trigger : When RUA PS Domain Error Indication message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-err-ind-rx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-rx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-err-ind-rx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message received with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is received by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted. Trigger : When RUA PS Domain Error Indication message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-normal	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Normal. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Normal.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-connect-failed	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Connect failed. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Connect failed.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-nw-rel	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Network release. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Network release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-rnl-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Radio Network Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Radio Network Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-trans-res-unavailable	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Transport resource unavailable. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Transport resource unavailable.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-trans-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Transport Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Transport Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-trans-syn-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Transfer syntax error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-abs-syn-err-rej	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Reject). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-abs-syn-err-ign-notify	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Ignore and Notify). Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Ignore and Notify).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rua-open	ps-err-ind-tx-msg-not-comp	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Msg not compatible with receiver state. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-semantic-err	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Semantic error. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-prot-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-falsely-construct-msg	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Protocol Layer cause - Abstract syntax error (Falsely constructed msg. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Protocol Layer cause - Abstract syntax error (Falsely constructed msg.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-processing-overload	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Processing Overload. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Processing Overload.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-hw-failure	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Hardware Failure. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Hardware Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-oam-intervention	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - O&M Intervention. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - O&M Intervention.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rua-open	ps-err-ind-tx-misc-unspecified	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Error Indication message transmitted with Miscellaneous cause - Unspecified. Trigger : When RUA PS Domain Error Indication message is transmitted by HNB-GW with Miscellaneous cause - Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-ranap	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RANAP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-ranap	servname	STRING	Primary-key	active	The name of the HNBGW-RANAP service for which these statistics are being displayed.	Configuration	Per HNBGW-RANAP Service	Standard
hnbgw-ranap	cs-initial-ue-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Initial UE message received. Trigger : When RANAP CS Domain Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in CS - domain RUA Connect . Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message received. Trigger : When RANAP CS Domain Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message transmitted. Trigger : When RANAP CS Domain Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message received. Trigger : When RANAP CS Domain Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When RANAP CS Domain Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-res-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message received. Trigger : When RANAP CS Domain Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-res-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When RANAP CS Domain Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-res-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When RANAP CS Domain Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reset-res-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When RANAP CS Domain Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-iu-rel-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Request message received. Trigger : When RANAP CS Domain Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-iu-rel-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When RANAP CS Domain Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-iu-rel-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When RANAP CS Domain Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-paging-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When RANAP CS Domain Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-rab-ass-amr-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-rab-ass-amr2-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-other-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-rab-ass-no-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-no-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-rab-ass-unknown-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-reloc-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-ack-rx-rab-setup-dropped	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Dropped. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr2-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR2 Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr2-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-amr2-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-reloc-req-other-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Other Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Other Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-other-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-other-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-no-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for NO Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for NO Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-no-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-no-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-unknown-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-unknown-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-req-unknown-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-detect-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Detect message received. Trigger : When RANAP CS Domain Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Complete message received. Trigger : When RANAP CS Domain Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Failure message received. Trigger : When RANAP CS Domain Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	cs-reloc-reqd-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Required message received. Trigger : When RANAP CS Domain Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-prep-failure-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-fwd-srns-ctx-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When RANAP CS Domain Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-srns-ctx-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When RANAP CS Domain SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-srns-ctx-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When RANAP CS Domain SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	cs-reloc-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-initial-ue-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Initial UE message received. Trigger : When Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in PS - domain RUA Connect. Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW	Not Defined	Not Defined	Standard
hnbgw-ranap	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message received. Trigger : When Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message transmitted. Trigger : When Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message received. Trigger : When Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-res-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message received. Trigger : When Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-res-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reset-res-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reset-res-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-iu-rel-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Request message received. Trigger : When Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-iu-rel-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-iu-rel-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-paging-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-conv-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-rab-ass-stream-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-stream-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-inter-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-rab-ass-back-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-back-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-rab-ass-unkwn-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW for RAB Setup message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-conv-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-conv-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reloc-req-stream-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-stream-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-inter-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-inter-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Background Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-back-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-back-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-unkwn-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-req-unkwn-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reloc-detect-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Detect message received. Trigger : When Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Complete message received. Trigger : When Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Failure message received. Trigger : When Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-reqd-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Required message received. Trigger : When Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-prep-failure-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-fwd-srns-ctx-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted. Trigger : When Relocation Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-cmd-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-cmd-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-cmd-tx-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-interact-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reloc-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reloc-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-conv-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-stream-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-inter-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-reloc-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-back-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-reloc-unkwn-class-rab-setup-rel-lcl-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	lcl-fail	INT32	Incremental	active	Class for RAB Setup/Release Local Failure.	Not Defined	services	Standard
hnbgw-ranap	ps-srns-ctx-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-ctx-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-data-fwd-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-interact-with-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-srns-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-iu-trans-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap	ps-srns-conv-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-conv-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-stream-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-stream-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-inter-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-inter-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-back-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-back-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-unkwn-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap	ps-srns-unkwn-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-ranap-close	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RANAP-Closed service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	servname	STRING	Primary-key	active	The name of the HNBGW-RANAP-CLOSED service for which these statistics are being displayed.	Configuration	Per HNBGW-RANAP-Closed Service	Standard
hnbgw-ranap-close	cs-initial-ue-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Initial UE message received. Trigger : When RANAP CS Domain Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in CS - domain RUA Connect . Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW.	Not Defined	Not Defined	Standard
hnbgw-ranap-close	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message received. Trigger : When RANAP CS Domain Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message transmitted. Trigger : When RANAP CS Domain Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message received. Trigger : When RANAP CS Domain Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When RANAP CS Domain Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-res-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message received. Trigger : When RANAP CS Domain Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-res-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When RANAP CS Domain Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-res-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When RANAP CS Domain Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reset-res-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When RANAP CS Domain Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-iu-rel-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Request message received. Trigger : When RANAP CS Domain Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-iu-rel-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When RANAP CS Domain Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-iu-rel-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When RANAP CS Domain Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-paging-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When RANAP CS Domain Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-rab-ass-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-amr2-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-other-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-no-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-rab-ass-unknown-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-ack-rx-rab-setup-dropped	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Dropped. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-amr-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-amr-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-amr-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-amr2-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR2 Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-amr2-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-reloc-req-amr2-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-other-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Other Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Other Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-other-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-other-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-no-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for NO Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for NO Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-no-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-no-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-unknown-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-unknown-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-req-unknown-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-detect-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Detect message received. Trigger : When RANAP CS Domain Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	cs-reloc-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Complete message received. Trigger : When RANAP CS Domain Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Failure message received. Trigger : When RANAP CS Domain Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-reqd-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Required message received. Trigger : When RANAP CS Domain Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-prep-failure-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-fwd-srns-ctx-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When RANAP CS Domain Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-srns-ctx-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When RANAP CS Domain SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-srns-ctx-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When RANAP CS Domain SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	cs-reloc-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-initial-ue-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Initial UE message received. Trigger : When Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in PS - domain RUA Connect. Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW	Not Defined	Not Defined	Standard
hnbgw-ranap-close	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message received. Trigger : When Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message transmitted. Trigger : When Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message received. Trigger : When Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reset-res-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message received. Trigger : When Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-res-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-res-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reset-res-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-iu-rel-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Request message received. Trigger : When Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-iu-rel-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-iu-rel-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-paging-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-conv-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-stream-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-rab-ass-inter-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-back-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-rab-ass-unkwn-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW for RAB Setup message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-conv-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-conv-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reloc-req-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-stream-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-stream-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-inter-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-inter-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Background Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-back-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-back-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-req-unkwn-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reloc-req-unkwn-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-detect-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Detect message received. Trigger : When Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Complete message received. Trigger : When Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Failure message received. Trigger : When Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-reqd-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Required message received. Trigger : When Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-prep-failure-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-fwd-srns-ctx-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted. Trigger : When Relocation Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-cmd-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-cmd-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-cmd-tx-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-interact-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reloc-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reloc-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-conv-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-stream-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-inter-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-reloc-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-back-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-reloc-unkwn-class-rab-setup-rel-lcl-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-ctx-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-ctx-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-data-fwd-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-srns-local-fail-interact-with-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-iu-trans-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-close	ps-srns-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-conv-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-conv-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-stream-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-stream-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-inter-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-inter-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-back-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-back-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-unkwn-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-close	ps-srns-unkwn-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-ranap-hybrid	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RANAP-Hybrid service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-ranap-hybrid	servname	STRING	Primary-key	active	The name of the HNBGW-RANAP-HYBRID service for which these statistics are being displayed.	Configuration	Per HNBGW-RANAP-Hybrid Service	Standard
hnbgw-ranap-hybrid	cs-initial-ue-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Initial UE message received. Trigger : When RANAP CS Domain Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in CS - domain RUA Connect . Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW.	Not Defined	Not Defined	Standard
hnbgw-ranap-hybrid	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message received. Trigger : When RANAP CS Domain Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message transmitted. Trigger : When RANAP CS Domain Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message received. Trigger : When RANAP CS Domain Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When RANAP CS Domain Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-res-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message received. Trigger : When RANAP CS Domain Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-res-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When RANAP CS Domain Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-res-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When RANAP CS Domain Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reset-res-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When RANAP CS Domain Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-iu-rel-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Request message received. Trigger : When RANAP CS Domain Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-iu-rel-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When RANAP CS Domain Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-iu-rel-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When RANAP CS Domain Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-paging-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When RANAP CS Domain Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-amr2-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-other-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-no-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-rab-ass-unknown-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-ack-rx-rab-setup-dropped	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Dropped. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-amr-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-amr-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-amr-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-reloc-req-amr2-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR2 Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-amr2-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-amr2-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-other-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Other Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Other Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-other-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-other-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-no-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for NO Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for NO Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-no-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-no-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-unknown-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-req-unknown-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	cs-reloc-req-unknown-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-detect-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Detect message received. Trigger : When RANAP CS Domain Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Complete message received. Trigger : When RANAP CS Domain Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Failure message received. Trigger : When RANAP CS Domain Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-reqd-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Required message received. Trigger : When RANAP CS Domain Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-prep-failure-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-fwd-srns-ctx-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When RANAP CS Domain Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-srns-ctx-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When RANAP CS Domain SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-srns-ctx-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When RANAP CS Domain SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	cs-reloc-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-initial-ue-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Initial UE message received. Trigger : When Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in PS - domain RUA Connect. Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW	Not Defined	Not Defined	Standard
hnbgw-ranap-hybrid	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message received. Trigger : When Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reset-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message transmitted. Trigger : When Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message received. Trigger : When Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-res-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message received. Trigger : When Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-res-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-res-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reset-res-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-iu-rel-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Request message received. Trigger : When Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-iu-rel-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release message is received by HNB-GW.	Not Defined	services	Standard
hnbgw-ranap-hybrid	ps-iu-rel-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-iu-rel-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-paging-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-conv-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-stream-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-inter-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-back-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-rab-ass-unkwn-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW for RAB Setup message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reloc-req-conv-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-conv-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-stream-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-stream-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-inter-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-inter-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Background Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-back-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-back-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reloc-req-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-unkwn-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-req-unkwn-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-detect-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Detect message received. Trigger : When Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Complete message received. Trigger : When Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Failure message received. Trigger : When Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-reqd-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Required message received. Trigger : When Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-prep-failure-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-fwd-srns-ctx-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted. Trigger : When Relocation Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-cmd-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-cmd-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-cmd-tx-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reloc-local-fail-interact-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reloc-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-conv-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-stream-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-reloc-inter-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-back-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-reloc-unkwn-class-rab-setup-rel-lcl-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-ctx-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-ctx-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-data-fwd-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup Local Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-srns-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-interact-with-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-iu-trans-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-srns-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-conv-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-conv-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-stream-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-stream-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-inter-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-inter-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-back-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-back-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-hybrid	ps-srns-unkwn-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-hybrid	ps-srns-unkwn-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-ranap-open	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RANAP-Open service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-ranap-open	servname	STRING	Primary-key	active	The name of the HNBGW-RANAP-OPEN service for which these statistics are being displayed.	Configuration	Per HNBGW-RANAP-Open Service	Standard
hnbgw-ranap-open	cs-initial-ue-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Initial UE message received. Trigger : When RANAP CS Domain Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in CS - domain RUA Connect . Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW.	Not Defined	Not Defined	Standard
hnbgw-ranap-open	cs-dir-transfer-rx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA CS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-dir-transfer-tx	INT32	Incremental	active	RUA CS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA CS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message received. Trigger : When RANAP CS Domain Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset message transmitted. Trigger : When RANAP CS Domain Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message received. Trigger : When RANAP CS Domain Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When RANAP CS Domain Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-res-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message received. Trigger : When RANAP CS Domain Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-res-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When RANAP CS Domain Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-res-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When RANAP CS Domain Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reset-res-ack-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When RANAP CS Domain Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-iu-rel-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Request message received. Trigger : When RANAP CS Domain Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-iu-rel-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When RANAP CS Domain Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-iu-rel-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When RANAP CS Domain Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-paging-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When RANAP CS Domain Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for UMTS AMR2 Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-amr2-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for UMTS AMR2 Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for UMTS AMR2 Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Other Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Other Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-other-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Other Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Other Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for NO Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for NO Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-no-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for NO Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for NO Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-setup-mod-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Setup/Mod. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-rel-tx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown Codec for RAB Release. Trigger : When RANAP CS Domain RAB Assignment Request message is transmitted by HNB-GW for Unknown Codec for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-setup-mod-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-setup-mod-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Setup/Mod Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-rel-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Success. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-rel-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Release Fail. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-rab-ass-unknown-codec-rab-queued	INT32	Incremental	active	CS Domain: Indicates the total number of RAB Assignment Response message received for Unknown Codec for RAB Queued. Trigger : When RANAP CS Domain RAB Assignment Response message is received by HNB-GW for Unknown Codec for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-ack-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-ack-rx-rab-setup-dropped	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Dropped. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for RAB Setup Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-amr-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-amr-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-amr-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-reloc-req-amr2-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for UMTS AMR2 Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for UMTS AMR2 Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-amr2-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-amr2-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for UMTS AMR2 Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for UMTS AMR2 Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-other-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Other Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Other Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-other-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-other-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Other Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Other Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-no-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for NO Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for NO Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-no-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-no-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for NO Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for NO Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-unknown-codec-rab-setup-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Codec for RAB Setup. Trigger : When RANAP CS Domain Relocation Request message is transmitted by HNB-GW for Unknown Codec for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-req-unknown-codec-rab-setup-succ-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Success. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	cs-reloc-req-unknown-codec-rab-setup-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request Ack message received for Unknown Codec for RAB Setup Fail. Trigger : When RANAP CS Domain Relocation Request Ack message is received by HNB-GW for Unknown Codec for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-detect-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Detect message received. Trigger : When RANAP CS Domain Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-comp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Complete message received. Trigger : When RANAP CS Domain Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-fail-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Failure message received. Trigger : When RANAP CS Domain Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-reqd-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Required message received. Trigger : When RANAP CS Domain Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-prep-failure-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-fwd-srns-ctx-req-rx	INT32	Incremental	active	CS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When RANAP CS Domain Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-srns-ctx-req-tx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When RANAP CS Domain SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-srns-ctx-rsp-rx	INT32	Incremental	active	CS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When RANAP CS Domain SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	cs-reloc-cmd-tx	INT32	Incremental	active	CS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-initial-ue-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Initial UE message received. Trigger : When Initial UE message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-initial-ue-rx-selected-plmn-id-rx	INT32	Incremental	active	Number of times Selected PLMN Id is received in the RANAP Initial UE message contained in PS - domain RUA Connect. Trigger : Selected PLMN Id is sent from UE and forwarded by HNB to HNBGW	Not Defined	Not Defined	Standard
hnbgw-ranap-open	ps-dir-transfer-rx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message received. Trigger : When RUA PS Domain Direct Transfer message received.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-dir-transfer-tx	INT32	Incremental	active	RUA PS Domain: Indicates the total number of Direct Transfer message transmitted. Trigger : When RUA PS Domain Direct Transfer message transmitted.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message received. Trigger : When Reset message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reset-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset message transmitted. Trigger : When Reset message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message received. Trigger : When Reset Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Ack message transmitted. Trigger : When Reset Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-res-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message received. Trigger : When Reset Resource message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-res-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource message transmitted. Trigger : When Reset Resource message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-res-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message received. Trigger : When Reset Resource Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reset-res-ack-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Reset Resource Ack message transmitted. Trigger : When Reset Resource Ack message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-iu-rel-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Request message received. Trigger : When Iu Release Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-iu-rel-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Command message transmitted. Trigger : When Iu Release Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-iu-rel-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Iu Release Complete message received. Trigger : When Iu Release Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-paging-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Paging Request message transmitted. Trigger : When Paging Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted. Trigger : When RAB Assignment Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-req-tx-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-req-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received. Trigger : When RAB Assignment Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-rsp-rx-rab-setup-mod-rel-que-drop	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for RAB Set/Mod/Rel/Que Dropped. Trigger : When RAB Assignment Response message is received by HNB-GW for RAB Set/Mod/Rel/Que Dropped.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Conversational Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-conv-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Conversational Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Conversational Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Streaming Class for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-stream-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Streaming Class for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Streaming Class for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Interactive for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Interactive for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-inter-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Interactive for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Interactive for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Background for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Background for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-back-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Background for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Background for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-setup-mod-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Setup/Mod. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Setup/Mod.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Request message transmitted for Unknown for RAB Release. Trigger : When RAB Assignment Request message is transmitted by HNB-GW for Unknown for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-setup-mod-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-setup-mod-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Setup/Mod Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Setup/Mod Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-rel-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Success. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-rel-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Release Fail. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Release Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-rab-ass-unkwn-class-rab-queued	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Assignment Response message received for Unknown for RAB Queued. Trigger : When RAB Assignment Response message is received by HNB-GW for Unknown for RAB Queued.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for RAB Setup message transmitted. Trigger : When Relocation Request message is transmitted by HNB-GW for RAB Setup message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-ack-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received. Trigger : When Relocation Request Ack message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-ack-rx-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Success. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-ack-rx-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request Ack message received for RAB Setup Fail. Trigger : When Relocation Request Ack message is received by HNB-GW for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reloc-req-conv-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-conv-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Conversational Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Conversational Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-stream-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-stream-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Streaming Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Streaming Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-inter-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-inter-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Interactive Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Interactive Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Background Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-back-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-back-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Background Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Background Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reloc-req-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Request message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-unkwn-class-rab-setup-succ-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Success. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Success.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-req-unkwn-class-rab-setup-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Request message received for Unknown Class for RAB Setup Fail. Trigger : When Relocation Request message is received by HNB-GW for Unknown Class for RAB Setup Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-detect-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Detect message received. Trigger : When Relocation Detect message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-comp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Complete message received. Trigger : When Relocation Complete message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-fail-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Failure message received. Trigger : When Relocation Failure message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-reqd-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Required message received. Trigger : When Relocation Required message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-prep-failure-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Prep Failure message transmitted. Trigger : When Relocation Prep Failure message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-fwd-srns-ctx-req-rx	INT32	Incremental	active	PS Domain: Indicates the total number of Fwd SRNS Context Request message received. Trigger : When Fwd SRNS Context Request message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted. Trigger : When Relocation Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-cmd-tx-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-cmd-tx-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-cmd-tx-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reloc-local-fail-interact-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reloc-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup/Release Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup/Release Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-conv-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-conv-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-conv-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Conversational Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-stream-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-stream-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-stream-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Streaming Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-inter-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-inter-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-reloc-inter-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Interactive Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-back-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-back-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-back-class-rab-setup-rel-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Background Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Background Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-unkwn-class-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-unkwn-class-rab-rel-tx	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Release. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Release.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-reloc-unkwn-class-rab-setup-rel-lcl-fail	INT32	Incremental	active	PS Domain: Indicates the total number of Relocation Command message transmitted for Unknown Class for RAB Setup/Release Local Failure. Trigger : When Relocation Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Release Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-ctx-req-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Request message transmitted. Trigger : When SRNS Context Request message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-ctx-rsp-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Context Response message received. Trigger : When SRNS Context Response message is received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-data-fwd-cmd-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-rab-setup-tx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for RAB Setup Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for RAB Setup Local Failure.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-srns-local-fail-invalid-rab-id	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Invalid Rab Id. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Invalid Rab Id.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-interact-with-othr-proc	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Radio Network Layer Cause for Interaction With Other Proc. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Radio Network Layer Cause for Interaction With Other Proc.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-sig-trans-res-fail	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Sig Transport Resource Fail. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Sig Transport Resource Fail.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-iu-trans-conn-fail-to-estab	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Transport Layer Cause for Iu Transport Conn failed to Establish. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Transport Layer Cause for Iu Transport Conn failed to Establish.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-trans-syn-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Causefor Transfer syntax error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Causefor Transfer syntax error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-abs-syn-err-ign	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error(Ignore). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error(Ignore).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-semantic-err	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Semantic error. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Semantic error.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-abs-syn-err-rej	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Reject). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Reject).	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-msg-not-comp	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Msg not compatible with receiver state. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Msg not compatible with receiver state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-falsely-construct-msg	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg). Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Protocol Layer Cause for Abstract syntax error (Falsely constructed msg).	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-srns-local-fail-no-res-avalable	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for No Resource Available. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for No Resource Available.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-local-fail-unspecified	INT32	Incremental	active	PS Domain: Indicates the total number of RAB Setup Local Failure message transmitted for Miscellaneous Cause for Unspecified. Trigger : When RAB Setup Local Failure message is transmitted by HNB-GW for Miscellaneous Cause for Unspecified.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-conv-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-conv-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Conversational Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Conversational Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-stream-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-stream-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Streaming Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Streaming Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-inter-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-inter-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Interactive Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Interactive Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-back-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-back-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Background Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Background Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
hnbgw-ranap-open	ps-srns-unkwn-class-rab-setup-rx	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-ranap-open	ps-srns-unkwn-class-rab-setup-local-fail	INT32	Incremental	active	PS Domain: Indicates the total number of SRNS Data Fwd Command message transmitted for Unknown Class for RAB Setup/Local Failure. Trigger : When SRNS Data Fwd Command message is transmitted by HNB-GW for Unknown Class for RAB Setup/Local Failure.	Not Defined	Across all HNB-GW services	Standard
mme-bk	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the MME service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
mme-bk	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
mme-bk	servname	STRING	Primary-key	active	The name of the MME service for which these statistics are being displayed.	Configuration	Per MME Service	Standard
mme-bk	recovered-epsattach-imsi-attempted	INT32	Incremental	active	The total number of EPS associations by attach using IMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-imsi-success	INT32	Incremental	active	The total number of EPS associations by attach using IMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-guti-local-attempted	INT32	Incremental	active	The total number of EPS associations by attach using local GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-guti-local-success	INT32	Incremental	active	The total number of EPS associations by attach using local GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epsattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epstauattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by TAU attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epstauattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by TAU attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epstauattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by TAU attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-epstauattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by TAU attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-imsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-imsi-success	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-imsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using IMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-local-attached	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-local-success	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-local-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using local GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-guti-foreign-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using foreign GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-combinedattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combinedattach-ptmsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined attach using P-TMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-guti-foreign-attempted	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-guti-foreign-success	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-guti-foreign-success-eps	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using foreign GUTI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-ptmsi-attempted	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - attempts.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-ptmsi-success	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-combined-tauattach-ptmsi-success-eps	INT32	Incremental	active	The total number of EPS associations by combined TAU attach using P-TMSI - EPS successes only.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emmevent-auth-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS authentications - attempted.	Increments when the MME receives authentication request.	Per MME Service	Standard
mme-bk	recovered-emmevent-auth-success	INT32	Incremental	active	The total number of EPS Mobility Management events - S1 NAS authentications - successes.	Increments when authentication procedure completes successfully for an authentication event.	Per MME Service	Standard
mme-bk	recovered-tau-periodic-attempted	INT32	Incremental	active	The total number of EMM periodic TAU request attempts where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme-bk	recovered-tau-periodic-success	INT32	Incremental	active	The total number of EMM periodic TAU request successes where the update type was set to periodic.	Not Defined	Per MME Service	Standard
mme-bk	recovered-tau-normal-attempted	INT32	Incremental	active	The total number of EMM TAU request attempts where the EPS update type is set to TA updating (without S-GW relocation).	Increments when the MME receives a TAU request with EPS Update type TA updating.	Per MME Service	Standard
mme-bk	recovered-tau-normal-success	INT32	Incremental	active	The total number of EMM TAU request successes where the EPS update type was set to TA updating (without S-GW relocation).	Increments when a TAU request with EPS Update type TA updating completes successfully.	Per MME Service	Standard
mme-bk	recovered-tau-active-attempted	INT32	Incremental	active	The total number of EMM TAU with bearer activation attempts (activate bearer flag set to true in the TAU procedure).	Increments when MME receives a TAU request with activate bearer flag set to true.	Per MME Service	Standard
mme-bk	recovered-tau-active-success	INT32	Incremental	active	The total number of EMM TAU with bearer activation successes (activate bearer flag set to true in the TAU procedure).	Increments when a TAU request with activate bearer flag set to true completes successfully.	Per MME Service	Standard
mme-bk	recovered-tau-sgw-change-attempted	INT32	Incremental	active	The total number of EMM TAU with S-GW relocation attempts (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later and this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard
mme-bk	recovered-tau-sgw-change-success	INT32	Incremental	active	The total number of EMM TAU with S-GW relocation successes (new TAI triggered S-GW relocation for the UE). In Release 15.0 and later and this statistic will only display EPC related TAU. Refer to the tau-ta-la- xxxx and tau-imsi- xxxx bulkstats for TAU with TA/LA updating and TAU with IMSI attach statistics respectively.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-ecmevent-ue-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - UE-initiated service requests - attempted.	Not Defined	Per MME Service	Standard
mme-bk	recovered-ecmevent-ue-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - UE-initiated service requests - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-ecmevent-nw-srvcreq-attempt	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated service requests - attempted.	Not Defined	Per MME Service	Standard
mme-bk	recovered-ecmevent-nw-srvcreq-success	INT32	Incremental	active	The total number of EPS Connection Management events - Network-initiated service requests - failures.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-accept	INT32	Incremental	active	The total number of EMM Attach accept messages sent from the MME to a UE.	Increments when the MME send an attach accept message to a UE.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-illegal-ue	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 3: Illegal UE.	Increments when an Attach Reject message is sent with cause 3: Illegal UE.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-illegal-me	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 6: Illegal ME.	Increments when an Attach Reject message is sent with cause 6: Illegal ME.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-eps-not-allowed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 7: EPS Services Not Allowed.	Increments when an Attach Reject message is sent with cause 7: EPS Services Not Allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-decode-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 23: Decode Failure.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-imei-not-accept	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 5: IMEI Not Accepted.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-roaming-restrict-ta	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 13: Roaming restricted in TA.	Increments when an Attach Reject message is sent with cause 13: Roaming restricted in TA.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-plmn-not-allow	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 11: PLMN not allowed .	Increments when an Attach Reject message is sent with cause 11: PLMN not allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-no-suitable-cell-ta	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-no-eps-svc-plmn	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 14: EPS services not allowed in this PLMN.	Increments when a TAU Reject message is sent with cause 25: Not authorized for this CSG.	Per MME Service	Standard
mme-bk	recovered-emm-msgrx-attach-req	INT32	Incremental	active	The total number of EMM Attach request messages received by MME.	Increments when the MME receives an attach request message from a UE.	Per MME Service	Standard
mme-bk	recovered-emm-msgrx-tau-req	INT32	Incremental	active	The total number of TAU Request messages received (either an Inter-node or Intra-MME TAU request).	Increments when the MME receives a TAU request message from a UE.	Per MME Service	Standard
mme-bk	recovered-esmevent-defbearact-attempt	INT32	Incremental	active	The total number of EPS Session Management events - default bearer activations - attempted.	Increments when the MME receives a default bearer activation event.	Per MME Service	Standard
mme-bk	recovered-esmevent-defbearact-success	INT32	Incremental	active	The total number of EPS Session Management events - default bearer activations - successes.	Increments when default bearer activation completes successfully.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-dedi-brr-activation-ue-attempted	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations - attempted.	Not Defined	Per MME Service	Standard
mme-bk	recovered-dedi-brr-activation-ue-success	INT32	Incremental	active	The total number of ESM UE-initiated dedicated bearer activations - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-dedi-brr-activation-nw-attempted	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - attempted.	Not Defined	Per MME Service	Standard
mme-bk	recovered-dedi-brr-activation-nw-success	INT32	Incremental	active	The total number of ESM Network-initiated dedicated bearer activations - successes.	Not Defined	Per MME Service	Standard
mme-bk	recovered-esm-msgtx-brralloc-rej	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject.	Not Defined	Per MME Service	Standard
mme-bk	recovered-esm-msgtx-brralloc-rej-svc-not-supported	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject (PDN connectivity reject) and with a cause code of 32: Service operation not supported.	Increments when a PDN connectivity reject message is sent with cause 32: Service operation not supported.	Per MME Service	Standard
mme-bk	recovered-esm-msgtx-brralloc-rej-svc-not-subscribed	INT32	Incremental	active	The total number of ESM control messages sent - bearer allocation reject (PDN connectivity reject) and with a cause code of 33: Service operation not subscribed.	Increments when a PDN connectivity reject message is sent with cause 33: Service operation not subscribed.	Per MME Service	Standard
mme-bk	recovered-emmevent-x2ho-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - X2-based handovers - attempted.	Increments when the MME receives a Path switch request resulting in an X2 handover.	Per MME Service	Standard
mme-bk	recovered-emmevent-x2ho-success	INT32	Incremental	active	The total number of EPS Mobility Management events - X2-based handovers - successes.	Increments when an X2 handover completes successfully.	Per MME Service	Standard
mme-bk	recovered-emmevent-s1ho-attempt	INT32	Incremental	active	The total number of EPS Mobility Management events - S1-based handovers - attempted.	Increments when the MME receives an S1AP HO required message resulting in intra-MME handover.	Per MME Service	Standard
mme-bk	recovered-emmevent-s1ho-success	INT32	Incremental	active	The total number of EPS Mobility Management events - S1-based handovers - successes.	Increments when an intra-MME S1 handover completes successfully.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using TAU procedure - attempted.	Increments when the MME receives a Handover Required message during an inter-MME TAU-based inbound relocation.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using TAU procedure - successes.	For the above procedure and success is incremented when the MME receives a TAU complete message (when user-plane bearer is not set up) or when the MME sends a TAU accept (when user-plane bearer is set up).	Per MME Service	Standard
mme-bk	recovered-in-s1-ho-4gto4g-s10-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - attempted.	Increments when the MME receives Forward Relocation Request message during an S10-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-in-s1-ho-4gto4g-s10-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to E-UTRAN using S10 interface - inbound relocation using S1 handover procedure - successes.	Increments when the MME sends the Modify Bearer Request (or if indirect forwarding is involved and after S11 del-ind-fwd-tun-response is received) during an S10-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-2g3gto4g-gngp-attempted	INT32	Incremental	active	The total number of handovers - GERAN/UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using TAU procedure - attempted.	Increments when an inter-node TAU request is received.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-2g3gto4g-gngp-success	INT32	Incremental	active	The total number of handovers - GERAN/UTRAN to E-UTRAN using Gn/Gp interface - inbound relocation using TAU procedure - successes.	In cases where this procedure results in the call getting migrated (all non-SRVCC cases and SRVCC cases where 'PS and CS' migration happens) and either an S1-UE context release from the source eNodeB or the expiry of the resource release timer at the source MME cause this counter to increment. In SRVCC handover to UTRAN (with no PS HO support) and S11 delete bearer response is the point at which success is incremented.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-2g3gto4g-s3-attempted	INT32	Incremental	active	The total number of handovers - UTRAN/GERAN (Iu or A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using TAU procedure - attempts.	Increments when an inter-node TAU request is received.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-ta-not-allow	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 12: Tracking Area not allowed.	Increments when an Attach Reject message is sent with cause 12: Tracking Area not allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-eps-non-eps-not-allowed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 8: EPS services and non-EPS services not allowed.	Increments when an Attach Reject message is sent with cause 8: EPS services and non-EPS services not allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-no-eps-svc-plmn	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 14: EPS service not allowed in this plmn.	Increments when an Attach Reject message is sent with cause 14: EPS service not allowed in this plmn.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-reject-congestion	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with cause code 22: Congestion.	Increments for each Attach Reject message sent with cause code Congestion.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-rej-protocol-error	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with any of the following Protocol Error cause codes: 95-101, or 111.	Increments when Attach Reject message is sent with cause codes of 95101, or 111.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-emm-msgtx-attach-rej-svc-temp-out-of-order	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 34: Service Option Temporarily Out of Order.	Increments when Attach Reject message is sent with cause Service Option Temporarily Out of Order.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-auth-failed	INT32	Incremental	active	The total number of authentication failed and an Attach Accept or Reject message is not sent.	Increments when an authentication for an attach request fails and no attach accept or reject message is sent.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-max-retx-auth-req	INT32	Incremental	active	The total number of attach-triggered authentication procedures failed due to maximum retransmissions of authentication request.	Increments when an attach procedure fails due to maximum retransmissions of authentication request.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-max-retx-sec-mode-cmd	INT32	Incremental	active	The total number attach-triggered authentication procedures failed due to maximum retransmissions of security mode command.	Increments when an attach procedure fails due to maximum retransmissions of security mode command.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-max-retx-attach-accept	INT32	Incremental	active	The total number of attach procedures failed due to maximum retransmissions of attach accept.	Increments when an attach procedure fails due to maximum retransmissions of attach accept.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-setup-timeout-exp	INT32	Incremental	active	The total number of attach procedure cleared due to expiry of setup-timeout.	Increments when an attach procedure fails due to expiry of setup-timeout	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-sctp-fail	INT32	Incremental	active	The total number of attach procedures cleared due to SCTP down .	Increments when an attach procedure fails due to SCTP down.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-guard-timeout-exp	INT32	Incremental	active	The total number of attach procedures cleared due to expiry of internal guard timer. This also includes internal guard timeout of auth procedure. If auth procedure is called, and auth procedure aborts due to its guard timer, the counter will be accounted for in attach procedure.	Increments when an attach procedure fails due to expiry of internal guard timer.	Per MME Service	Standard
mme-bk	recovered-attach-proc-fail-max-retx-esm-info-req	INT32	Incremental	active	The total number of attach procedures failed due to maximum retransmissions of ESM info request.	Increments when an attach procedure fails due to maximum retransmissions of ESM info request.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-rej-gw-auth-failed	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with causecode 29: User Authentication Failed.	Increments when Attach Reject message is sent with cause User Authentication Failed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-rej-insuff-resources	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 26: Insufficient Resources.	Increments when Attach Reject message is sent with cause Insufficient Resources.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-reject-severe-network-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with cause 42: Severe Network Failure.	Increments for each Attach Rejectmessage sent with cause code Severe Network Failure.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-network-failure	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 17: Network Failure.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-rej-gw-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 30: Rejected by SGW or PGW.	Increments when Attach Reject message is sent with cause Rejected by SGW or PGW.	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-emm-msgtx-attach-rej-activation-reject	INT32	Incremental	active	The total number of EMM Attach Reject messages sent due to an ESM procedure failure with cause code 31: Request rejected, unspecified.	Increments when Attach Reject message is sent with cause Request rejected, unspecified.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-network-fail	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request), with a cause code of 17: Network failure.	Increments when a TAU Reject message is sent with cause 17: Network failure.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-no-suitable-cell-ta	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 15: No suitable cells in tracking area.	Increments when a TAU Reject message is sent with cause 15: No suitable cells in tracking area.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-illegal-ue	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 3: Illegal UE.	Increments when a TAU Reject message is sent with cause 3: Illegal UE.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-illegal-me	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 6: Illegal ME.	Increments when a TAU Reject message is sent with cause 6: Illegal ME.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-eps-not-allowed	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 7: EPS services not allowed.	Increments when a TAU Reject message is sent with cause 7: EPS services not allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-decode-failure	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 23: UE security capabilities mismatch.	Increments when a TAU Reject message is sent with cause 23: UE security capabilities mismatch.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-no-bearer-active	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 40: No EPS bearer context activated.	,Increments when a TAU Reject message is sent with cause 40: No EPS bearer context activated.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-ue-identity-unk	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 9: UE identity cannot be derived by the network.	Increments when a TAU Reject message is sent with cause 9: UE identity cannot be derived by the network.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-imei-not-accept	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 5: IMEI not accepted.	Increments when a TAU Reject message is sent with cause 5: IMEI not accepted.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-roaming-restrict-ta	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 13: Roaming not allowed in this tracking area.	Increments when a TAU Reject message is sent with cause 13: Roaming not allowed in this tracking area.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-plmn-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 11: PLMN not allowed.	Increments when a TAU Reject message is sent with cause 11: PLMN not allowed.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-ta-not-allow	INT32	Incremental	active	The total number of TAU Reject messages sent (for either an Inter-node or Intra-MME TAU request) and with a cause code of 12: Tracking area not allowed.	Increments when a TAU Reject message is sent with cause 12: Tracking area not allowed.	Per MME Service	Standard
mme-bk	recovered-in-tau-ho-2g3gto4g-s3-success	INT32	Incremental	active	The total number of handovers - UTRAN/GERAN (Iu or A/Gb mode) to E-UTRAN using S3 interface - inbound relocation using TAU procedure - successes.	Increments when the MME receives a TAU complete message (when user-plane bearer is not set up) or when the MME sends a TAU accept (when user-plane bearer is set up).	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-out-mob-4gto5g-n26-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using Mobility procedure - attempted.	Increments when the MME receives the N26 Context Request.	Per MME Service	Standard
mme-bk	recovered-out-mob-4gto5g-n26-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using Mobility procedure - successes.	Increments on resource release timer expiry or any new event causing abort of procedure received while waiting for resource release timer.	Per MME Service	Standard
mme-bk	recovered-out-ho-4gto5g-n26-attempted	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using EPS-5GS handover procedure - attempted.	Increments when the MME receives the Handover Required message resulting in an N26-based outbound relocation.	Per MME Service	Standard
mme-bk	recovered-out-ho-4gto5g-n26-success	INT32	Incremental	active	The total number of handovers - E-UTRAN to NG-RAN using N26 interface - outbound relocation using EPS-5GS handover procedure - successes.	Either an S1-UE context release from the source eNodeB or the expiry of the resource release timer cause at the source MME cause this counter to increment.	Per MME Service	Standard
mme-bk	recovered-in-mob-5gto4g-n26-attempted	INT32	Incremental	active	TAU - NG-RAN to E-UTRAN using N26 interface - Incoming TAU using Mobility procedure - attempted.	Increments when the MME sends the N26 Context Request.	Per MME Service	Standard
mme-bk	recovered-in-mob-5gto4g-n26-success	INT32	Incremental	active	TAU - NG-RAN to E-UTRAN using N26 interface - Incoming TAU using Mobility procedure - successes.	Increments on resource release timer expiry or any new event causing abort of procedure received while waiting for resource release timer.	Per MME Service	Standard
mme-bk	recovered-in-ho-5gto4g-n26-attempted	INT32	Incremental	active	The total number of handovers - NGRAN to E-UTRAN using N26 interface - inbound relocation using handover procedure - attempted.	Increments when the MME receives Forward Relocation Request message during an N26-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme-bk	recovered-in-ho-5gto4g-n26-success	INT32	Incremental	active	The total number of handovers - NGRAN to E-UTRAN using N26 interface - inbound relocation using handover procedure - successes.	Increments when the MME sends the Modify Bearer Request (or if indirect forwarding is involved, after S11 del-ind-fwd-tun-response is received) during an N26-based inbound relocation triggered by S1-based handover.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-attach-accept-retx	INT32	Incremental	active	The total number of EMM control messages sent - retransmitted attaches.	Not Defined	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-accept	INT32	Incremental	active	The total number of EMM TAU accept messages sent (for either an Inter-node or Intra-MME TAU request).	Increments when the MME send a TAU accept message to a UE.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-no-suitable-cell-ta	INT32	Incremental	active	The total number of EMM Attach Reject messages sent with the cause code 15: No suitable cells in TA.	Increments when an Attach Reject message is sent with cause 15: No suitable cells in TA.	Per MME Service	Standard
mme-bk	recovered-emm-msgtx-tau-reject	INT32	Incremental	active	The total number of EMM TAU Reject messages sent.	Not Defined	Per MME Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mme-bk	recovered-mme-decor-initial-req-accept	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Reuquests accepted by this MME which is acting as a DCN	Increments For every successful Attach/TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-req-reroute	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of Attach/TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-req-reject	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Initial Attach/TAU Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of Attach/TAU Attach due to UE Usage Type match.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-req-accept	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Rerouted Attach/TAU Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of Attach/TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-req-reject	INT32	Incremental	Obsolete	Proprietary counter provides the total number of Rerouted Attach/TAU Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of Attach/TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Requests accepted by this MME which is acting as a DCN	Increments For every successful Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-attach-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Requests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial Attach Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of Attach due to UE Usage Type match.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach/TAU Reuquests which are rejected by this MME which is acting as a DCN	Increments For every Type match.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-attach-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-attach-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted Attach Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests accepted by this MME which is acting as a DCN	Increments For every successful TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-tau-req-reroute	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Reuquests which are rerouted by this MME which is acting as a DCN	Increments For every Reroute of TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-initial-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Initial TAU Rejects due to No Reroute data and not handled by this MME which is acting as a DCN	Increments For every Reject of TAU Attach due to UE Usage Type match.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-tau-req-accept	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are accepted by this MME which is acting as a DCN	Increments For every successful handling of Rerouted of TAU Attach.	Per MME Service	Standard
mme-bk	recovered-mme-decor-reroute-tau-req-reject	INT32	Incremental	active	Proprietary counter provides the total number of Rerouted TAU Requests which are rejected by this MME which is acting as a DCN	Increments For every reject of Rerouted of TAU Attach.	Per MME Service	Standard
hnbgw-rtp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rtp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RTP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rtp	servname	STRING	Primary-key	active	The name of the HNBGW-RTP service for which these statistics are being displayed.	Configuration	Per HNBGW-RTP Service	Standard
hnbgw-rtp	rtp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets received. Trigger : When RTP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp	rtp-uplink-pkts-good-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets (good) received. Trigger : When RTP Uplink Packets(good) are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes received. Trigger : When RTP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped. Trigger : When RTP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped. Trigger : When RTP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Bytes are dropped with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with state.	Not Defined	services	Standard
hnbgw-rtp	rtp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets transmitted. Trigger : When RTP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes transmitted. Trigger : When RTP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-receiver-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report received (From HNB). Trigger : When RTCP Receiver Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-receiver-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report transmitted (To HNB). Trigger : When RTCP Receiver Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-sender-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report received (From HNB). Trigger : When RTCP Sender Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-sender-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report transmitted (To HNB). Trigger : When RTCP Sender Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-sdes-report-rx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report received. Trigger : When RTCP SDES Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-sdes-report-tx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report transmitted. Trigger : When RTCP SDES Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-bye-report-rx	INT64	Incremental	active	Indicates the total number of RTCP BYE Report received. Trigger : When RTCP BYE Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-app-report-rx	INT64	Incremental	active	Indicates the total number of RTCP APP Report received. Trigger : When RTCP APP Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp	rtcp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets received. Trigger : When RTCP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes received. Trigger : When RTCP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped. Trigger : When RTCP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets transmitted. Trigger : When RTCP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtcp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes transmitted. Trigger : When RTCP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets received. Trigger : When RTP-MUX Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes received. Trigger : When RTP-MUX Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp	rtp-mux-rtp-stream-rcvd	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream received. Trigger : When RTP-MUX RTP Stream are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-rtp-stream-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp	rtp-mux-rtp-stream-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped with cause Miscellaneous. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rtp-closed	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RTP-Closed service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rtp-closed	servname	STRING	Primary-key	active	The name of the HNBGW-RTP-CLOSED service for which these statistics are being displayed.	Configuration	Per HNBGW-RTP-Closed Service	Standard
hnbgw-rtp-closed	rtp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets received. Trigger : When RTP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-pkts-good-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets (good) received. Trigger : When RTP Uplink Packets(good) are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes received. Trigger : When RTP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped. Trigger : When RTP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped. Trigger : When RTP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Bytes are dropped with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets transmitted. Trigger : When RTP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes transmitted. Trigger : When RTP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-receiver-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report received (From HNB). Trigger : When RTCP Receiver Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-closed	rtcp-receiver-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report transmitted (To HNB). Trigger : When RTCP Receiver Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-sender-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report received (From HNB). Trigger : When RTCP Sender Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-sender-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report transmitted (To HNB). Trigger : When RTCP Sender Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-sdes-report-rx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report received. Trigger : When RTCP SDES Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-sdes-report-tx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report transmitted. Trigger : When RTCP SDES Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-bye-report-rx	INT64	Incremental	active	Indicates the total number of RTCP BYE Report received. Trigger : When RTCP BYE Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-app-report-rx	INT64	Incremental	active	Indicates the total number of RTCP APP Report received. Trigger : When RTCP APP Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets received. Trigger : When RTCP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes received. Trigger : When RTCP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped. Trigger : When RTCP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets transmitted. Trigger : When RTCP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtcp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes transmitted. Trigger : When RTCP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-closed	rtp-mux-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets received. Trigger : When RTP-MUX Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes received. Trigger : When RTP-MUX Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-rtp-stream-rcvd	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream received. Trigger : When RTP-MUX RTP Stream are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-rtp-stream-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-closed	rtp-mux-rtp-stream-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped with cause Miscellaneous. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-rtp-hybrid	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RTP-Hybrid service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-rtp-hybrid	servname	STRING	Primary-key	active	The name of the HNBGW-RTP-HYBRID service for which these statistics are being displayed.	Configuration	Per HNBGW-RTP-Hybrid Service	Standard
hnbgw-rtp-hybrid	rtp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets received. Trigger : When RTP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-pkts-good-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets (good) received. Trigger : When RTP Uplink Packets(good) are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes received. Trigger : When RTP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped. Trigger : When RTP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-hybrid	rtp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped. Trigger : When RTP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Bytes are dropped with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets transmitted. Trigger : When RTP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes transmitted. Trigger : When RTP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-receiver-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report received (From HNB). Trigger : When RTCP Receiver Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-receiver-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report transmitted (To HNB). Trigger : When RTCP Receiver Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-sender-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report received (From HNB). Trigger : When RTCP Sender Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-sender-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report transmitted (To HNB). Trigger : When RTCP Sender Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-sdes-report-rx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report received. Trigger : When RTCP SDES Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-sdes-report-tx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report transmitted. Trigger : When RTCP SDES Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-bye-report-rx	INT64	Incremental	active	Indicates the total number of RTCP BYE Report received. Trigger : When RTCP BYE Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-app-report-rx	INT64	Incremental	active	Indicates the total number of RTCP APP Report received. Trigger : When RTCP APP Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets received. Trigger : When RTCP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes received. Trigger : When RTCP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped. Trigger : When RTCP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-hybrid	rtcp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets transmitted. Trigger : When RTCP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtcp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes transmitted. Trigger : When RTCP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets received. Trigger : When RTP-MUX Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes received. Trigger : When RTP-MUX Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-rtp-stream-rcvd	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream received. Trigger : When RTP-MUX RTP Stream are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-rtp-stream-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-hybrid	rtp-mux-rtp-stream-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped with cause Miscellaneous. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context	Standard
hnbgw-rtp-open	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-RTP-Open service. This is an internal reference number.	Generated During System Startup	Per Context	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-open	servname	STRING	Primary-key	active	The name of the HNBGW-RTP-OPEN service for which these statistics are being displayed.	Configuration	Per HNBGW-RTP-Open Service	Standard
hnbgw-rtp-open	rtp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets received. Trigger : When RTP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-pkts-good-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets (good) received. Trigger : When RTP Uplink Packets(good) are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes received. Trigger : When RTP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped. Trigger : When RTP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped. Trigger : When RTP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTP Uplink Bytes are dropped with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets transmitted. Trigger : When RTP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes transmitted. Trigger : When RTP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-receiver-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report received (From HNB). Trigger : When RTCP Receiver Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-receiver-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report transmitted (To HNB). Trigger : When RTCP Receiver Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-sender-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report received (From HNB). Trigger : When RTCP Sender Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-sender-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report transmitted (To HNB). Trigger : When RTCP Sender Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-sdes-report-rx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report received. Trigger : When RTCP SDES Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-sdes-report-tx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report transmitted. Trigger : When RTCP SDES Report are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-open	rtcp-bye-report-rx	INT64	Incremental	active	Indicates the total number of RTCP BYE Report received. Trigger : When RTCP BYE Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-app-report-rx	INT64	Incremental	active	Indicates the total number of RTCP APP Report received. Trigger : When RTCP APP Report are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets received. Trigger : When RTCP Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes received. Trigger : When RTCP Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped. Trigger : When RTCP Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets dropped with cause Miscellaneous. Trigger : When RTCP Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause RAB not in CONNETED state. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause RAB not in CONNETED state.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTCP Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-downlink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets transmitted. Trigger : When RTCP Downlink Packets are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtcp-downlink-byts-tx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes transmitted. Trigger : When RTCP Downlink Bytes are transmitted by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-uplink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets received. Trigger : When RTP-MUX Uplink Packets are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-uplink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes received. Trigger : When RTP-MUX Uplink Bytes are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-uplink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-uplink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Packets dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Packets are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-uplink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-rtp-open	rtp-mux-uplink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX Uplink Bytes dropped with cause Miscellaneous. Trigger : When RTP-MUX Uplink Bytes are dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-rtp-stream-rcvd	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream received. Trigger : When RTP-MUX RTP Stream are received by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-rtp-stream-dropped	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW.	Not Defined	Across all HNB-GW services	Standard
hnbgw-rtp-open	rtp-mux-rtp-stream-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP-MUX RTP Stream Dropped with cause Miscellaneous. Trigger : When RTP-MUX RTP Stream are Dropped by HNB-GW with cause Miscellaneous.	Not Defined	Across all HNB-GW services	Standard
cs-nw-rtp	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-rtp	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtp-uplink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTP Uplink Packets transmitted.	When RTP Uplink Packets are transmitted by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-uplink-byts-tx	INT64	Incremental	active	Indicates the total number of RTP Uplink Bytes transmitted.	When RTP Uplink Bytes are transmitted by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets received.	When RTP Downlink Packets are received by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-good-pkts-rx	INT64	Incremental	active	Not available	Not Defined	Not Defined	Standard
cs-nw-rtp	rtp-downlink-byts-rx	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes received.	When RTP Downlink Bytes are received by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets dropped.	When RTP Downlink Packets are dropped by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets dropped with cause RAB not in CONNETED state.	When RTP Downlink Packets are dropped by CS Network with cause RAB not in CONNETED state.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Downlink Packets dropped with cause Miscellaneous.	When RTP Downlink Packets are dropped by CS Network with cause Miscellaneous.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes dropped.	When RTP Downlink Bytes are dropped by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes dropped with cause RAB not in CONNETED state.	When RTP Downlink Bytes are dropped by CS Network with cause RAB not in CONNETED state.	Across all CS Networks.	Standard
cs-nw-rtp	rtp-downlink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTP Downlink Bytes dropped with cause Miscellaneous.	When RTP Downlink Bytes are dropped by CS Network with cause Miscellaneous.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-rtp	rtcp-uplink-pkts-tx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Packets transmitted.	When RTCP Uplink Packets are transmitted by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-uplink-byts-tx	INT64	Incremental	active	Indicates the total number of RTCP Uplink Bytes transmitted.	When RTCP Uplink Bytes are transmitted by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-receiver-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report received (From HNB). Trigger : When RTCP Receiver Report are received by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-receiver-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Receiver Report transmitted (To HNB). Trigger : When RTCP Receiver Report are transmitted by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-sender-report-rx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report received (From HNB). Trigger : When RTCP Sender Report are received by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-sender-report-tx	INT64	Incremental	active	Indicates the total number of RTCP Sender Report transmitted (To HNB). Trigger : When RTCP Sender Report are transmitted by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-sdes-report-rx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report received. Trigger : When RTCP SDES Report are received by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-sdes-report-tx	INT64	Incremental	active	Indicates the total number of RTCP SDES Report transmitted. Trigger : When RTCP SDES Report are transmitted by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-bye-report-rx	INT64	Incremental	active	Indicates the total number of RTCP BYE Report received. Trigger : When RTCP BYE Report are received by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-app-report-rx	INT64	Incremental	active	Indicates the total number of RTCP APP Report received. Trigger : When RTCP APP Report are received by HNB-GW.	Not Defined	Not Defined	Standard
cs-nw-rtp	rtcp-downlink-pkts-rx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets received.	When RTCP Downlink Packets are received by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-byts-rx	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes received.	When RTCP Downlink Bytes are received by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-pkts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets dropped.	When RTCP Downlink Packets are dropped by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-pkts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets dropped with cause RAB not in CONNETED state.	When RTCP Downlink Packets are dropped by CS Network with cause RAB not in CONNETED state.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-pkts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Downlink Packets dropped with cause Miscellaneous.	When RTCP Downlink Packets are dropped by CS Network with cause Miscellaneous.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-byts-dropped	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes dropped.	When RTCP Downlink Bytes are dropped by CS Network.	Across all CS Networks.	Standard
cs-nw-rtp	rtcp-downlink-byts-drop-rab_not-in_conn_state	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes dropped with cause RAB not in CONNETED state.	When RTCP Downlink Bytes are dropped by CS Network with cause RAB not in CONNETED state.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-rtp	rtcp-downlink-byts-dropped-misc	INT64	Incremental	active	Indicates the total number of RTCP Downlink Bytes dropped with cause Miscellaneous.	When RTCP Downlink Bytes are dropped by CS Network with cause Miscellaneous.	Across all CS Networks.	Standard
ps-nw-ranap	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Not Defined	Not Defined	Standard
ps-nw-ranap	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Not Defined	Not Defined	Standard
ps-nw-ranap	initial-ue-tx	INT32	Incremental	active	Indicates the total number of Initial UE message transmitted.	When Initial UE message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	initial-ue-tx-selected-plmn-id-tx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	initial-ue-tx-perm-nas-ue-id-tx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	initial-ue-tx-redirect-attempt-flag-tx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-transfer-rx	INT32	Incremental	active	Indicates the total number of Direct Transfer message received.	When Direct Transfer message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	dir-transfer-tx	INT32	Incremental	active	Indicates the total number of Direct Transfer message transmitted.	When Direct Transfer message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-redirection-indication-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-red-ind-perm-nas-ue-id-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-plmn-nt-alwd-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-la-nt-alwd-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-roaming-nt-alwd-in-la-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-no-suitable-cell-in-la-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-gprs-ser-nt-alwd-in-plmn-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-rej-cause-cs-ps-cord-reqd-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	dir-trans-redirection-completed-rx	INT32	Incremental	active	Not Defined	Not Defined	Across all PS Networks	Standard
ps-nw-ranap	reset-rx	INT32	Incremental	active	Indicates the total number of Reset message received.	When Reset message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reset-ack-rx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
ps-nw-ranap	reset-ack-tx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
ps-nw-ranap	reset-res-rx	INT32	Incremental	active	Indicates the total number of Reset Resource message received.	When Reset Resource message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reset-res-tx	INT32	Incremental	active	Indicates the total number of Reset Resource message transmitted.	When Reset Resource message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reset-res-ack-rx	INT32	Incremental	active	Indicates the total number of Reset Resource Ack message received.	When Reset Resource Ack message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reset-res-ack-tx	INT32	Incremental	active	Indicates the total number of Reset Resource Ack message transmitted.	When Reset Resource Ack message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	iu-rel-req-tx	INT32	Incremental	active	Indicates the total number of Iu Release Request message transmitted.	When Iu Release Request message is transmitted by PS Network.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	iu-rel-cmd-rx	INT32	Incremental	active	Indicates the total number of Iu Release Command message received.	When Iu Release Command message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	iu-rel-comp-tx	INT32	Incremental	active	Indicates the total number of Iu Release Complete message transmitted.	When Iu Release Complete message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	paging-req-rx	INT32	Incremental	active	Indicates the total number of Paging Request message received.	When Paging Request message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted.	When RAB Assignment Response message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-total-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-rab-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-total-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network for RAB Release Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rsp-tx-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network for RAB Queued.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-req-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network.	When RAB Assignment Request message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-req-rx-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network for RAB Setup/Modify.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-req-rx-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network for RAB Release.	When RAB Assignment Request message is received by PS Network for RAB Release.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-rab-setup-mod-timer-exp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Timer Expire.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Timer Expire.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rab-rel-timer-exp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Timer Expire.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Timer Expire.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rab-setup-mod-rel-local-failure	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Invalid RAB Id.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Invalid Rab Id.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-interact-with-othr-proc	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Interaction With Other Proc.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Interaction With Other Proc.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Signal Transport Resource Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Transfer syntax error.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Transfer syntax error.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Ignore).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Semantic error.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Message not compatible with receiver state.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed message).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - No Resource Available.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-rep-rx-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - Unspecified.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Conversational Class for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network with Conversational Class for RAB Setup/Modify.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Conversational Class for RAB Release.	When RAB Assignment Request message is received by PS Network with Conversational Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Release Fail.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-conv-class-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Release Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-conv-class-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Conversational Class for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network with Conversational Class for RAB Queued.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Streaming Class for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network with Streaming Class for RAB Setup/Modify.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Streaming Class for RAB Release.	When RAB Assignment Request message is received by PS Network with Streaming Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Release Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-stream-class-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Release Fail (Local).	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-stream-class-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Streaming Class for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network with Streaming Class for RAB Queued.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Interactive Class for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network with Interactive Class for RAB Setup/Modify.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Interactive Class for RAB Release.	When RAB Assignment Request message is received by PS Network with Interactive Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Release Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Release Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-inter-class-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Interactive Class for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network with Interactive Class for RAB Queued.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-back-class-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Background Class for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network with Background Class for RAB Setup/Modify.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Background Class for RAB Release.	When RAB Assignment Request message is received by PS Network with Background Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Release Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Release Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-back-class-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Background Class for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network with Background Class for RAB Queued.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Unknown Class for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network with Unknown Class for RAB Setup/Modify.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	rab-ass-unkwn-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network with Unknown Class for RAB Release.	When RAB Assignment Request message is received by PS Network with Unknown Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Setup/Modify Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Setup/Modify Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Release Success.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Release Fail.	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Release Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	rab-ass-unkwn-class-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network with Unknown Class for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network with Unknown Class for RAB Queued.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network.	When Relocation Request message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-rx-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network for RAB Setup.	When Relocation Request message is received by PS Network for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network.	When Relocation Request Ack message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-tx-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Success.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-req-ack-tx-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-tx-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Fail for RAB Setup Fail(Local).	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Fail for RAB Setup Fail(Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Invalid Rab Id.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Invalid Rab Id.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-interact-othr-proc	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Interaction With Other Proc.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Interaction With Other Proc.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Signal Transport Resource Fail.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Transfer syntax error.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Transfer syntax error.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Semantic error.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-req-ack-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Message not compatible with receiver state.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - No Resource Available.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-ack-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - Unspecified.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-conv-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network with Conversational Class for RAB Setup.	When Relocation Request message is received by PS Network with Conversational Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-conv-class-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Conversational Class for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network with Conversational Class for RAB Setup Success.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-conv-class-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Conversational Class for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network with Conversational Class for RAB Setup Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-conv-class-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Conversational Class for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by PS Network with Conversational Class for RAB Setup Fail (Local).	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-req-stream-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network with Streaming Class for RAB Setup.	When Relocation Request message is received by PS Network with Streaming Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-stream-class-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Streaming Class for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network with Streaming Class for RAB Setup Success.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-stream-class-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Streaming Class for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network with Streaming Class for RAB Setup Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-stream-class-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Streaming Class for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by PS Network with Streaming Class for RAB Setup Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-inter-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network with Interactive Class for RAB Setup.	When Relocation Request message is received by PS Network with Interactive Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-inter-class-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Interactive Class for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network with Interactive Class for RAB Setup Success.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-inter-class-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Interactive Class for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network with Interactive Class for RAB Setup Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-inter-class-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Interactive Class for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by PS Network with Interactive Class for RAB Setup Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-back-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network with Background Class for RAB Setup.	When Relocation Request message is received by PS Network with Background Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-back-class-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Background Class for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network with Background Class for RAB Setup Success.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-back-class-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Background Class for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network with Background Class for RAB Setup Fail.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-req-back-class-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Background Class for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by PS Network with Background Class for RAB Setup Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-unkwn-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network with Unknown Class for RAB Setup.	When Relocation Request message is received by PS Network with Unknown Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-unkwn-class-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Unknown Class for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network with Unknown Class for RAB Setup Success.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-unkwn-class-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Unknown Class for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network with Unknown Class for RAB Setup Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-req-unkwn-class-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network with Unknown Class for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by PS Network with Unknown Class for RAB Setup Fail (Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-detect-tx	INT32	Incremental	active	Indicates the total number of Relocation Detect message transmitted by PS Network.	When Relocation Detect message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-comp-tx	INT32	Incremental	active	Indicates the total number of Relocation Complete message transmitted by PS Network.	When Relocation Complete message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	total-reloc-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Failure message transmitted by PS Network.	When Relocation Failure message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Failure message transmitted by PS Network for Relocation Failure (Local).	When Relocation Failure message is transmitted by PS Network for Relocation Failure (Local).	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Invalid RAB Id.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Invalid RAB Id.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-interact-othr-proc	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Interaction with other procedure..	When Relocation Failure message is received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Interaction with other procedure..	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-fail-tx-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Transport Layer Cause - Signal Transport Resource Fail.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause Transfer syntax error.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause Transfer syntax error.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Semantic error.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Message not compatible with receiver state.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-fail-tx-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Miscellaneous Cause - No Resource Available.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
ps-nw-ranap	reloc-fail-tx-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Miscellaneous Cause - Unspecified.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
ps-nw-ranap	reloc-reqd-tx	INT32	Incremental	active	Indicates the total number of Relocation Required message transmitted by PS Network.	When Relocation Required message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-prep-failure-rx	INT32	Incremental	active	Indicates the total number of Relocation Prep Failure message received by PS Network.	When Relocation Prep Failure message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	fwd-srns-ctx-req-tx	INT32	Incremental	active	Indicates the total number of Fwd SRNS Context Request message transmitted by PS Network.	When Fwd SRNS Context Request message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network.	When Relocation Command message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-rx-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network for RAB Setup.	When Relocation Command message is received by PS Network for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-rx-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network for RAB Release.	When Relocation Command message is received by PS Network for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-conv-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Conversational Class for RAB Setup.	When Relocation Command message is received by PS Network with Conversational Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-conv-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Conversational Class for RAB Release.	When Relocation Command message is received by PS Network with Conversational Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-stream-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Streaming Class for RAB Setup.	When Relocation Command message is received by PS Network with Streaming Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-stream-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Streaming Class for RAB Release.	When Relocation Command message is received by PS Network with Streaming Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-inter-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Interactive Class for RAB Setup.	When Relocation Command message is received by PS Network with Interactive Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-inter-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Interactive Class for RAB Release.	When Relocation Command message is received by PS Network with Interactive Class for RAB Release.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-ranap	reloc-cmd-back-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Background Class for RAB Setup.	When Relocation Command message is received by PS Network with Background Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-back-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Background Class for RAB Release.	When Relocation Command message is received by PS Network with Background Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-unkwn-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Unknown Class for RAB Setup.	When Relocation Command message is received by PS Network with Unknown Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	reloc-cmd-unkwn-class-rab-rel-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network with Unknown Class for RAB Release.	When Relocation Command message is received by PS Network with Unknown Class for RAB Release.	Across all PS Networks	Standard
ps-nw-ranap	srns-ctx-req-rx	INT32	Incremental	active	Indicates the total number of SRNS Context Request message received by PS Network.	When SRNS Context Request message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	srns-ctx-rsp-tx	INT32	Incremental	active	Indicates the total number of SRNS Context Response message transmitted by PS Network.	When SRNS Context Response message is transmitted by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	srns-data-fwd-cmd-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network.	When SRNS Data Fwd Command message is received by PS Network.	Across all PS Networks	Standard
ps-nw-ranap	srns-data-fwd-cmd-rx-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	srns-conv-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network with Conversational Class for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network with Conversational Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	srns-stream-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network with Streaming Class for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network with Streaming Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	srns-inter-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network with Interactive Class for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network with Interactive Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	srns-back-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network with Background Class for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network with Background Class for RAB Setup.	Across all PS Networks	Standard
ps-nw-ranap	srns-unkwn-class-rab-setup-rx	INT32	Incremental	active	Indicates the total number of SRNS Data Fwd Command message received by PS Network with Unknown Class for RAB Setup.	When SRNS Data Fwd Command message is received by PS Network with Unknown Class for RAB Setup.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-gtpu	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Configuration	Across PS Network	Standard
ps-nw-gtpu	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Configuration	Across PS Networks	Standard
ps-nw-gtpu	gtpu-pkt-rx	INT64	Incremental	active	Indicates the total number of packets received by HNB-GW from SGSN over GTP-U connection.	Increments when a packet received by HNB-GW from CN.	Across PS Networks	Standard
ps-nw-gtpu	gtpu-pkt-tx	INT64	Incremental	active	Indicates the total number of packets sent by HNB-GW towards SGSN over GTP-U connection.	Increments when a GTP-U packet sent by HNB-GW to CN.	Across PS Networks	Standard
ps-nw-gtpu	gtpu-bytes-rx	INT64	Incremental	active	Indicates the total number of bytes received by HNB-GW from SGSN over GTP-U connection.	Increments when a byte received by HNB-GW from CN.	Across PS Networks	Standard
ps-nw-gtpu	gtpu-bytes-tx	INT64	Incremental	active	Indicates the total number of bytes sent by HNB-GW towards SGSN over GTP-U connection.	Increments when a byte sent by HNB-GW to CN.	Across PS Networks	Standard
ps-nw-sccp	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Not Defined	Not Defined	Standard
ps-nw-sccp	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Not Defined	Not Defined	Standard
ps-nw-sccp	sccp-conn-req-rx	INT32	Incremental	active	Indicates the total number of SCCP connection Request received by HNB-GW from the Core Node.	When Core Node initiates SCCP connection during Relocation.	Per PS Networks.	Standard
ps-nw-sccp	sccp-conn-req-tx	INT32	Incremental	active	Indicates the total number of SCCP connection Request sent by HNB-GW towards the CN after getting RUA Connect Request for a Registered UE.	When RUA Connect Request sent for a Registered UE.	Per PS Networks.	Standard
ps-nw-sccp	sccp-conn-cfm-rx	INT32	Incremental	active	Indicates the total number of SCCP Connection Confirmation messages received by HNB-GW from the Core Node.	When CN sends the SCCP connection confirmation for a requested SCCP Connection Request.	Per PS Networks.	Standard
ps-nw-sccp	sccp-conn-cfm-tx	INT32	Incremental	active	Indicates the total number of SCCP Connection Confirmation response messages sent by HNB-GW to the Core Node.	When HNB-GW sends the SCCP connection confirmation response for a requested SCCP Connection Request to CN.	Per PS Networks.	Standard
ps-nw-sccp	sccp-conn-rej-rx	INT32	Incremental	active	Indicates the total number of SCCP Connection Reject messages received by HNB-GW from the Core Node.	When Core node Rejects the SCCP Conn Request due to some parameter mismatch, etc.	Per PS Networks.	Standard
ps-nw-sccp	sccp-conn-rej-tx	INT32	Incremental	active	Indicates the total number of SCCP Connection Rejection response messages sent by HNB-GW to the Core Node.	When HNBGW initiates the tear Down on receiving RUA disconnect from HNB which doesn't contain RANAP Iu-release complete message and other failure scenarios.	Per PS Networks.	Standard
ps-nw-sccp	sccp-con-data-rx	INT32	Incremental	active	Indicates the total data received by HNB-GW over SCCP connection between HNB-GW and Core Node.	When CN sends the data towards HNB-GW over SCCP connection.	Per PS Networks.	Standard
ps-nw-sccp	sccp-con-data-tx	INT32	Incremental	active	Indicates the total data sent by HNB-GW over SCCP connection between HNB-GW and Core Node.	When HNB-GW sends the data towards CN over SCCP connection.	Per PS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ps-nw-sccp	sccp-disconnect-rx	INT32	Incremental	active	Indicates the total number of SCCP Disconnect messages received by HNB-GW from Core Node.	When CN initiate tear-down procedure for SCCP connection.	Per PS Networks.	Standard
ps-nw-sccp	sccp-disconnect-tx	INT32	Incremental	active	Indicates the total number of SCCP Disconnect response messages sent by HNB-GW to Core Node.	When HNBGW initiates the tear-down procedure on receiving RUA disconnect from HNB which doesn't contain RANAP Iu-release complete message and other failure scenarios.	Per PS Networks.	Standard
ps-nw-sccp	sccp-uni-data-rx	INT32	Incremental	active	Indicates the total Connection-less data, like paging, received by HNB-GW over SCCP connection between HNB-GW and Core Node.	When CN sends any connection-less data, like paging, towards HNB-GW over SCCP connection.	Per PS Networks.	Standard
ps-nw-sccp	sccp-uni-data-tx	INT32	Incremental	active	Indicates the total Connection-less data, RANAP Reset, RANAP reset Resource, sent by HNB-GW over SCCP connection between HNB-GW and Core Node.	When HNB-GW sends or forward any Connection-less data, like RANAP reset, RANAP Reset Resource, towards CN over SCCP connection.	Per PS Networks.	Standard
cs-nw-ranap	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-ranap	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-ranap	initial-ue-tx	INT32	Incremental	active	Indicates the total number of Initial UE message transmitted.	When Initial UE message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	initial-ue-tx-selected-plmn-id-tx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	initial-ue-tx-nas-seq-num-tx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	initial-ue-tx-perm-nas-ue-id-tx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	initial-ue-tx-redirect-attempt-flag-tx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-transfer-rx	INT32	Incremental	active	Indicates the total number of Direct Transfer message received.	When Direct Transfer message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	dir-transfer-tx	INT32	Incremental	active	Indicates the total number of Direct Transfer message transmitted.	When Direct Transfer message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	dir-trans-redirection-indication-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-red-ind-nas-seq-num-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-red-ind-perm-nas-ue-id-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-rej-cause-plmn-nt-alwd-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-rej-cause-la-nt-alwd-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-rej-cause-roaming-nt-alwd-in-la-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-rej-cause-no-suitable-cell-in-la-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-rej-cause-cs-ps-cord-reqd-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	dir-trans-redirection-completed-rx	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
cs-nw-ranap	reset-rx	INT32	Incremental	active	Indicates the total number of Reset message received.	When Reset message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reset-ack-rx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reset-ack-tx	INT32	Incremental	active	This statistic has been deprecated.	Not Defined	Not Defined	Standard
cs-nw-ranap	reset-res-rx	INT32	Incremental	active	Indicates the total number of Reset Resource message received.	When Reset Resource message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reset-res-tx	INT32	Incremental	active	Indicates the total number of Reset Resource message transmitted.	When Reset Resource message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reset-res-ack-rx	INT32	Incremental	active	Indicates the total number of Reset Resource Ack message received.	When Reset Resource Ack message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reset-res-ack-tx	INT32	Incremental	active	Indicates the total number of Reset Resource Ack message transmitted.	When Reset Resource Ack message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	iu-rel-req-tx	INT32	Incremental	active	Indicates the total number of Iu Release Request message transmitted.	When Iu Release Request message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	iu-rel-cmd-rx	INT32	Incremental	active	Indicates the total number of Iu Release Command message received.	When Iu Release Command message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	iu-rel-comp-tx	INT32	Incremental	active	Indicates the total number of Iu Release Complete message transmitted.	When Iu Release Complete message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	paging-req-rx	INT32	Incremental	active	Indicates the total number of Paging Request message received.	When Paging Request message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	rab-time	INT64	Incremental	active	Indicates the total duration in seconds when RAB was active in CS Network.	When RAB become inactive in CS Network.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-rsp-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted.	When RAB Assignment Response message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Success.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-total-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Fail.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-rab-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Fail (Local).	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Success.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Success.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-total-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Fail.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-rsp-tx-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by PS Network for RAB Release Fail (Local).	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rsp-tx-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Queued.	When RAB Assignment Response message is transmitted by PS Network for RAB Queued.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-req-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network.	When RAB Assignment Request message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-req-rx-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network for RAB Setup/Modify.	When RAB Assignment Request message is received by PS Network for RAB Setup/Modify.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-req-rx-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message received by PS Network for RAB Release.	When RAB Assignment Request message is received by PS Network for RAB Release.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rab-setup-mod-timer-exp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify Timer Expire.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify Timer Expire.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rab-rel-timer-exp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Release Timer Expire.	When RAB Assignment Response message is transmitted by PS Network for RAB Release Timer Expire.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rab-setup-mod-rel-local-failure	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Invalid RAB Id.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Invalid Rab Id.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-interact-with-othr-proc	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Interaction With Other Proc.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Radio Network Layer Cause - Interaction With Other Proc.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Signal Transport Resource Fail.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Transfer syntax error.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Transfer syntax error.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Ignore).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Semantic error.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Message not compatible with receiver state.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed message).	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - No Resource Available.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-rep-rx-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - Unspecified.	When RAB Assignment Response message is transmitted by PS Network for RAB Setup/Modify/Release Local Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with AMR Codec for RAB Setup/Modify.	When RAB Assignment Request message is received by CS Network with AMR Codec for RAB Setup/Modify.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with AMR Codec for RAB Release.	When RAB Assignment Request message is received by CS Network with AMR Codec for RAB Release.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Fail.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-amr-codec-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Setup/Modify Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Success.	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Fail.	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Release Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr-codec-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Queued.	When RAB Assignment Response message is transmitted by CS Network with AMR Codec for RAB Queued.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with AMR2 Codec for RAB Setup/Modify.	When RAB Assignment Request message is received by CS Network with AMR2 Codec for RAB Setup/Modify.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with AMR2 Codec for RAB Release.	When RAB Assignment Request message is received by CS Network with AMR2 Codec for RAB Release.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Setup/Modify Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Success.	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Success.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-amr2-codec-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Fail.	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Release Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-amr2-codec-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Queued.	When RAB Assignment Response message is transmitted by CS Network with AMR2 Codec for RAB Queued.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with Other Codec for RAB Setup/Modify.	When RAB Assignment Request message is received by CS Network with Other Codec for RAB Setup/Modify.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with Other Codec for RAB Release.	When RAB Assignment Request message is received by CS Network with Other Codec for RAB Release.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Setup/Modify Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Success.	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Fail.	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-other-codec-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with Other Codec for RAB Release Fail (Local).	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-other-codec-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Other Codec Class for RAB Queued.	When RAB Assignment Response message is transmitted by CS Network with Other Codec Class for RAB Queued.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with No Codec for RAB Setup/Modify.	When RAB Assignment Request message is received by CS Network with No Codec for RAB Setup/Modify.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with No Codec for RAB Release.	When RAB Assignment Request message is received by CS Network with No Codec for RAB Release.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Setup/Modify Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Success.	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Fail.	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Release Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-no-codec-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Queued.	When RAB Assignment Response message is transmitted by CS Network with No Codec for RAB Queued.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-setup-mod-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with Unknown Codec for RAB Setup/Modify.	When RAB Assignment Request message is received by CS Network with Unknown Codec for RAB Setup/Modify.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	rab-ass-unkwn-codec-rab-rel-rx	INT32	Incremental	active	Indicates the total number of RAB Assignment Request message is received by CS Network with Unknown Codec for RAB Release.	When RAB Assignment Request message is received by CS Network with Unknown Codec for RAB Release.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-setup-mod-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Success.	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-tot-rab-setup-mod-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Fail.	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-setup-mod-fail-lcl-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Setup/Modify Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-rel-succ-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Success.	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Success.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-tot-rab-rel-fail-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Fail.	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Fail.	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-rel-fail-local-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Fail (Local).	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Release Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	rab-ass-unkwn-codec-rab-que-tx	INT32	Incremental	active	Indicates the total number of RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Queued.	When RAB Assignment Response message is transmitted by CS Network with Unknown Codec for RAB Queued.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network.	When Relocation Request message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-rx-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message received by PS Network for RAB Setup.	When Relocation Request message is received by PS Network for RAB Setup.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network.	When Relocation Request Ack message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-tx-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Success.	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Success.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-req-ack-tx-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Fail.	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Fail.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-tx-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for RAB Setup Fail for RAB Setup Fail(Local).	When Relocation Request Ack message is transmitted by PS Network for RAB Setup Fail for RAB Setup Fail(Local).	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Invalid Rab Id.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Invalid Rab Id.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-interact-othr-proc	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Interaction With Other Proc.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Radio Network Layer Cause - Interaction With Other Proc.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Signal Transport Resource Fail.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Transfer syntax error.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Transfer syntax error.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Semantic error.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-req-ack-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Message not compatible with receiver state.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - No Resource Available.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-ack-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - Unspecified.	When Relocation Request Ack message is transmitted by PS Network for Local RAB Setup Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
cs-nw-ranap	reloc-req-amr-codec-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message is received by CS Network with AMR Codec for RAB Setup.	When Relocation Request message is received by CS Network with AMR Codec for RAB Setup.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr-codec-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Success.	When Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Success.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr-codec-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Fail.	When Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Fail.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr-codec-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by CS Network with AMR Codec for RAB Setup Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr2-codec-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message is received by CS Network with AMR2 Codec for RAB Setup.	When Relocation Request message is received by CS Network with AMR2 Codec for RAB Setup.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-req-amr2-codec-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Success.	When Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Success.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr2-codec-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Fail.	When Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Fail.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-amr2-codec-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by CS Network with AMR2 Codec for RAB Setup Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-other-codec-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message is received by CS Network with Other Codec for RAB Setup.	When Relocation Request message is received by CS Network with Other Codec for RAB Setup.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-other-codec-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Success.	When Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Success.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-other-codec-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Fail.	When Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Fail.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-other-codec-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by CS Network with Other Codec for RAB Setup Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-no-codec-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message is received by CS Network with No Codec for RAB Setup.	When Relocation Request message is received by CS Network with No Codec for RAB Setup.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-no-codec-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Success.	When Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Success.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-no-codec-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Fail.	When Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Fail.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-no-codec-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by CS Network with No Codec for RAB Setup Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-unkwn-codec-rab-setup-rx	INT32	Incremental	active	Indicates the total number of Relocation Request message is received by CS Network with Unknown Codec for RAB Setup.	When Relocation Request message is received by CS Network with Unknown Codec for RAB Setup.	Across all CS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-req-unkwn-codec-rab-setup-succ-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Success.	When Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Success.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-unkwn-codec-tot-rab-setup-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Fail.	When Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Fail.	Across all CS Networks.	Standard
cs-nw-ranap	reloc-req-unkwn-codec-rab-setup-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Fail (Local).	When Relocation Request Ack message is transmitted by CS Network with Unknown Codec for RAB Setup Fail (Local).	Across all CS Networks.	Standard
cs-nw-ranap	reloc-detect-tx	INT32	Incremental	active	Indicates the total number of Relocation Detect message transmitted by PS Network.	When Relocation Detect message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reloc-comp-tx	INT32	Incremental	active	Indicates the total number of Relocation Complete message transmitted by PS Network.	When Relocation Complete message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	total-reloc-fail-tx	INT32	Incremental	active	Indicates the total number of Relocation Failure message transmitted by PS Network.	When Relocation Failure message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-local-tx	INT32	Incremental	active	Indicates the total number of Relocation Failure message transmitted by PS Network for Relocation Failure (Local).	When Relocation Failure message is transmitted by PS Network for Relocation Failure (Local).	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-invalid-rab-id	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Invalid RAB Id.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Invalid RAB Id.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-interact-othr-proc	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Interaction with other procedure..	When Relocation Failure message is received by PS Network for Local Relocation Failure with Radio Network Layer Cause - Interaction with other procedure..	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-sig-trans-res-fail	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Transport Layer Cause - Signal Transport Resource Fail.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Transport Layer Cause - Signal Transport Resource Fail.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-iu-conn-fail-to-estab	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Transport Layer Cause - Iu Transport Conn failed to Establish.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-fail-tx-local-fail-trans-syn-err	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause Transfer syntax error.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause Transfer syntax error.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-abs-syn-err-ign	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error(Ignore).	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-semantic-err	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Semantic error.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Semantic error.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-abs-syn-err-rej	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Reject).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Reject).	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-msg-not-comp	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Message not compatible with receiver state.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Message not compatible with receiver state.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-falsely-construct-msg	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	When Relocation Failure message is received by PS Network for Local Relocation Failure with Protocol Layer Cause - Abstract syntax error (Falsely constructed msg).	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-no-res-avalable	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Miscellaneous Cause - No Resource Available.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Miscellaneous Cause - No Resource Available.	Across all PS Networks	Standard
cs-nw-ranap	reloc-fail-tx-local-fail-unspecified	INT32	Incremental	active	Indicates the total number of Relocation Failure message received by PS Network for Local Relocation Failure with Miscellaneous Cause - Unspecified.	When Relocation Failure message is received by PS Network for Local Relocation Failure with Miscellaneous Cause - Unspecified.	Across all PS Networks	Standard
cs-nw-ranap	reloc-reqd-tx	INT32	Incremental	active	Indicates the total number of Relocation Required message transmitted by PS Network.	When Relocation Required message is transmitted by PS Network.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-ranap	reloc-prep-failure-rx	INT32	Incremental	active	Indicates the total number of Relocation Prep Failure message received by PS Network.	When Relocation Prep Failure message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	fwd-srns-ctx-req-tx	INT32	Incremental	active	Indicates the total number of Fwd SRNS Context Request message transmitted by PS Network.	When Fwd SRNS Context Request message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	srns-ctx-req-rx	INT32	Incremental	active	Indicates the total number of SRNS Context Request message received by PS Network.	When SRNS Context Request message is received by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	srns-ctx-rsp-tx	INT32	Incremental	active	Indicates the total number of SRNS Context Response message transmitted by PS Network.	When SRNS Context Response message is transmitted by PS Network.	Across all PS Networks	Standard
cs-nw-ranap	reloc-cmd-rx	INT32	Incremental	active	Indicates the total number of Relocation Command message received by PS Network.	When Relocation Command message is received by PS Network.	Across all PS Networks	Standard
cs-nw-sccp	nwname	STRING	Primary-key	active	Indicates the name of the Packet Switch (PS) Network connected with specific HNB-GW on which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-sccp	dest-pt-code	STRING	Primary-key	active	Indicates the destination point code in SS7 notation of SGSN in core network connected with specific HNB-GW of which statistics are collected or displayed.	Not Defined	Not Defined	Standard
cs-nw-sccp	sccp-conn-req-rx	INT32	Incremental	active	Indicates the total number of SCCP connection Request received by HNB-GW from the Core Node.	When Core Node initiates SCCP connection during Relocation.	Per PS Networks.	Standard
cs-nw-sccp	sccp-conn-req-tx	INT32	Incremental	active	Indicates the total number of SCCP connection Request sent by HNB-GW towards the CN after getting RUA Connect Request for a Registered UE.	When RUA Connect Request sent for a Registered UE.	Per PS Networks.	Standard
cs-nw-sccp	sccp-conn-cfm-rx	INT32	Incremental	active	Indicates the total number of SCCP Connection Confirmation messages received by HNB-GW from the Core Node.	When CN sends the SCCP connection confirmation for a requested SCCP Connection Request.	Per PS Networks.	Standard
cs-nw-sccp	sccp-conn-cfm-tx	INT32	Incremental	active	Indicates the total number of SCCP Connection Confirmation response messages sent by HNB-GW to the Core Node.	When HNB-GW sends the SCCP connection confirmation response for a requested SCCP Connection Request to CN.	Per PS Networks.	Standard
cs-nw-sccp	sccp-conn-rej-rx	INT32	Incremental	active	Indicates the total number of SCCP Connection Reject messages received by HNB-GW from the Core Node.	When Core node Rejects the SCCP Conn Request due to some parameter mismatch, etc.	Per PS Networks.	Standard
cs-nw-sccp	sccp-conn-rej-tx	INT32	Incremental	active	Indicates the total number of SCCP Connection Rejection response messages sent by HNB-GW to the Core Node.	When HNBGW initiates the tear Down on receiving RUA disconnect from HNB which doesn't contain RANAP Iu-release complete message and other failure scenarios.	Per PS Networks.	Standard
cs-nw-sccp	sccp-con-data-rx	INT32	Incremental	active	Indicates the total data received by HNB-GW over SCCP connection between HNB-GW and Core Node.	When CN sends the data towards HNB-GW over SCCP connection.	Per PS Networks.	Standard
cs-nw-sccp	sccp-con-data-tx	INT32	Incremental	active	Indicates the total data sent by HNB-GW over SCCP connection between HNB-GW and Core Node.	When HNB-GW sends the data towards CN over SCCP connection.	Per PS Networks.	Standard
cs-nw-sccp	sccp-disconnect-rx	INT32	Incremental	active	Indicates the total number of SCCP Disconnect messages received by HNB-GW from Core Node.	When CN initiate tear-down procedure for SCCP connection.	Per PS Networks.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cs-nw-sccp	sccp-disconnect-tx	INT32	Incremental	active	Indicates the total number of SCCP Disconnect response messages sent by HNB-GW to Core Node.	When HNBGW initiates the tear-down procedure on receiving RUA disconnect from HNB which doesn't contain RANAP Iu-release complete message and other failure scenarios.	Per PS Networks.	Standard
cs-nw-sccp	sccp-uni-data-rx	INT32	Incremental	active	Indicates the total Connection-less data, like paging, received by HNB-GW over SCCP connection between HNB-GW and Core Node.	When CN sends any connection-less data, like paging, towards HNB-GW over SCCP connection.	Per PS Networks.	Standard
cs-nw-sccp	sccp-uni-data-tx	INT32	Incremental	active	Indicates the total Connection-less data, RANAP Reset, RANAP reset Resource, sent by HNB-GW over SCCP connection between HNB-GW and Core Node.	When HNB-GW sends or forward any Connection-less data, like RANAP reset, RANAP Reset Resource, towards CN over SCCP connection.	Per PS Networks.	Standard
hnbgw-cbs-sabp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-cbs-sabp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-CBS-SABP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-cbs-sabp	service-name	STRING	Primary-key	active	Name of the HNBGW-IUBC-SABP service for which this bulk statistics are collected.	Not Defined	Not Defined	Standard
hnbgw-cbs-sabp	write-replace-rx	INT32	Incremental	active	Number of Write Replace messages received from CBC Trigger : Write Replace message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-rx-sa	INT32	Incremental	active	Number of Service Areas in Write Replace messages received form CBC Trigger : Write Replace message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-comp-tx	INT32	Incremental	active	Number of Write Replace Complete messages sent to CBC Trigger : Write Replace Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-comp-tx-sa	INT32	Incremental	active	Number of Service Areas for which Write Replace Complete messages sent to CBC Trigger : Write Replace Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-tx	INT32	Incremental	active	Number of Write Replace Failure messages sent to CBC Trigger : Write Replace Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-total-sa-success-tx	INT32	Incremental	active	Number of Service Areas for which Write Replace Complete was received from HNB and sent to CBC in Write Replace Failure message Trigger : Write Replace Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-total-sa-fail-tx	INT32	Incremental	active	Number of Service Areas for which Write Replace Failure was received from HNB and sent to CBC in Write Replace Failure message Trigger : Write Replace Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-total-sa-fail-local-tx	INT32	Incremental	active	Number of Service Areas for which Write Replace Failure was not received from HNB and HNBGW Write Replace Failure sent to CBC in Write Replace Failure message Trigger : Write Replace Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-param-not-recognise	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Parameter not recognised Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Valid CN message not identified Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	write-replace-fail-local-unrecognised-msg	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Unrecognised message Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-rnc-capacity-exceed	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: RNC capacity exceeded Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-sab-unsupported	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Message reference already used Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Transfer Syntax Error Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-msg-no-comp-rcvr	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	comp-rcvr	INT32	Incremental	active	generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-param-invalid	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Parameter value invalid Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Service Area identity not valid Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Missing mandatory element Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-rnc-mem-exceed	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: RNC memory exceeded Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-sab-unoperational	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Unspecified error Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	write-replace-fail-local-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Semantic error Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-local-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-param-not-recognise	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter not recognised Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Valid CN message not identified Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-unrecognised-msg	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unrecognised message Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-rnc-capacity-exceed	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-sab-unsupported	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message reference already used Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-msg-no-comp-rcvr	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-param-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter value invalid Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	write-replace-fail-remote-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area identity not valid Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Missing mandatory element Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-rnc-mem-exceed	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC memory exceeded Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-sab-unoperational	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unspecified error Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Semantic error Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	err	INT32	Incremental	active	Number of Write Replace Failure messages received from Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	write-replace-fail-remote-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-rx	INT32	Incremental	active	Number of Kill messages received from CBC Trigger : Kill message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-rx-sa	INT32	Incremental	active	Number of Service Areas in Kill messages received from CBC Trigger : Kill message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-comp-tx	INT32	Incremental	active	Number of Kill Complete messages sent to CBC Trigger : Kill Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-comp-tx-sa	INT32	Incremental	active	Number of Service Areas for which Kill Complete messages sent to CBC Trigger : Kill Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-tx	INT32	Incremental	active	Number of Kill Failure messages sent to CBC Trigger : Kill Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-total-sa-success-tx	INT32	Incremental	active	Number of Service Areas for which Kill Complete was received from HNB and sent to CBC in Kill Failure message Trigger : Kill Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-total-sa-fail-tx	INT32	Incremental	active	Number of Service Areas for which Kill Failure was received from HNB and sent to CBC in Kill Failure message Trigger : Kill Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-total-sa-fail-local-tx	INT32	Incremental	active	Number of Service Areas for which Kill Failure was not received from HNB and HNBGW Kill Failure sent to CBC in Kill Failure message Trigger : Kill Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-param-not-recognise	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Parameter not recognised Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	kill-fail-local-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Valid CN message not identified Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-unrecognised-msg	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Unrecognised message Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-rnc-capacity-exceed	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: RNC capacity exceeded Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-sab-unsupported	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Service Area Broadcast not supported Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Message reference already used Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Transfer Syntax Error Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-msg-no-comp-rcvr	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Message not compatible with receiver state Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-param-invalid	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Parameter value invalid Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Service Area identity not valid Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Missing mandatory element Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-rnc-mem-exceed	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: RNC memory exceeded Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-sab-unoperational	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Service Area Broadcast not operational Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Unspecified error Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	kill-fail-local-semantic-err	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Semantic error Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-local-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-param-not-recognise	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter not recognised Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Valid CN message not identified Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-unrecognised-msg	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unrecognised message Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-rnc-capacity-exceed	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-sab-unsupported	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message reference already used Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-msg-no-comp-rcvr	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-param-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter value invalid Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area identity not valid Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Missing mandatory element Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-rnc-mem-exceed	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC memory exceeded Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-sab-unoperational	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	kill-fail-remote-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unspecified error Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-semantic-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Semantic error Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	kill-fail-remote-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-rx	INT32	Incremental	active	Number of Message Status Query messages received from CBC Trigger : Message Status Query message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-rx-sa	INT32	Incremental	active	Number of Service Areas in Message Status Query messages received from CBC Trigger : Message Status Query message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-comp-tx	INT32	Incremental	active	Number of Message Status Query Complete messages sent to CBC Trigger : Message Status Query Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-comp-tx-sa	INT32	Incremental	active	Number of Service Areas for which Message Status Query Complete messages sent to CBC Trigger : Message Status Query Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-tx	INT32	Incremental	active	Number of Message Status Query Failure messages sent to CBC Trigger : Message Status Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-total-sa-success-tx	INT32	Incremental	active	Number of Service Areas for which Message Status Query Complete was received from HNB and sent to CBC in Message Status Query Failure message Trigger : Message Status Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-total-sa-fail-tx	INT32	Incremental	active	Number of Service Areas for which Message Status Query Failure was received from HNB and sent to CBC in Message Status Query Failure message Trigger : Message Status Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-total-sa-fail-local-tx	INT32	Incremental	active	Not Defined	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-param-not-recognise	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Parameter not recognised Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Valid CN message not identified Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-unrecognised-msg	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Unrecognised message Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-rnc-capacity-exceed	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: RNC capacity exceeded Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	msg-status-query-fail-local-sab-unsupported	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Service Area Broadcast not supported Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-msg-ref-already-used	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Message reference already used Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-transfer-syntax-err	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Transfer Syntax Error Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-msg-no-comp-rcvr	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Message not compatible with receiver state Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	syntax-err-ignore-notify	INT32	Incremental	active	CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-param-invalid	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Parameter value invalid Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-sa-id-invalid	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Service Area identity not valid Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-missing-mandatory-elem	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Missing mandatory element Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-rnc-mem-exceed	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: RNC memory exceeded Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-sab-unoperational	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Service Area Broadcast not operational Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-unspecified-err	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Unspecified error Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-semantic-err	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Semantic error Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	msg-status-query-fail-local-abst-syntax-err-rej	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Reject) Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-local-abst-syntax-err-false-const	INT32	Incremental	active	Number of Message Status Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Message Status Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-param-not-recognise	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-unrecognised-msg	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Unrecognised message Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-rnc-capacity-exceed	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-sab-unsupported	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-msg-ref-already-used	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Message reference already used Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-transfer-syntax-err	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-msg-no-comp-rcvr	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-param-invalid	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-sa-id-invalid	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	msg-status-query-fail-remote-missing-mandatory-elem	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-rnc-mem-exceed	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-sab-unoperational	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-unspecified-err	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Unspecified error Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-semantic-err	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Semantic error Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-abst-syntax-err-rej	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	syntax-err-rej	INT32	Incremental	active	Number of Message Status Query Failure messages received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	msg-status-query-fail-remote-abst-syntax-err-false-const	INT32	Incremental	active	Number of Message Status Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Message Status Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-rx	INT32	Incremental	active	Number of Load Query messages received from CBC Trigger : Load Query message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-rx-sa	INT32	Incremental	active	Number of Service Areas in Load Query messages received from CBC Trigger : Load Query message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-comp-tx	INT32	Incremental	active	Number of Load Query Complete messages sent to CBC Trigger : Load Query Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-comp-tx-sa	INT32	Incremental	active	Number of Service Areas for which Load Query Complete messages sent to CBC Trigger : Load Query Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-tx	INT32	Incremental	active	Number of Load Query Failure messages sent to CBC Trigger : Load Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-total-sa-success-tx	INT32	Incremental	active	Number of Service Areas for which Load Query Complete was received from HNB and sent to CBC in Load Query Failure message Trigger : Load Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-total-sa-fail-tx	INT32	Incremental	active	Number of Service Areas for which Load Query Failure was received from HNB and sent to CBC in Load Query Failure message Trigger : Load Query Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-total-sa-fail-local-tx	INT32	Incremental	active	Number of Service Areas for which Load Query Failure was not received from HNB and HNBGW Load Query Failure sent to CBC in Load Query Failure message Trigger : Load Query Failure message is sent CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	load-query-fail-local-param-not-recognise	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Parameter not recognised Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Valid CN message not identified Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-unrecognised-msg	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Unrecognised message Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-rnc-capacity-exceed	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: RNC capacity exceeded Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-sab-unsupported	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Service Area Broadcast not supported Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-msg-ref-already-used	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Message reference already used Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-transfer-syntax-err	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Transfer Syntax Error Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-msg-no-comp-rcvr	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Message not compatible with receiver state Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-param-invalid	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Parameter value invalid Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-sa-id-invalid	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Service Area identity not valid Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-missing-mandatory-elem	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Missing mandatory element Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-rnc-mem-exceed	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: RNC memory exceeded Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	load-query-fail-local-sab-unoperational	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Service Area Broadcast not operational Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-unspecified-err	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Unspecified error Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-semantic-err	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Semantic error Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-abst-syntax-err-rej	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Reject) Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-local-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load Query Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load Query Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-param-not-recognise	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-unrecognised-msg	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Unrecognised message Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-rnc-capacity-exceed	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-sab-unsupported	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-msg-ref-already-used	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Message reference already used Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-transfer-syntax-err	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-msg-no-comp-rcvr	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	load-query-fail-remote-param-invalid	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-sa-id-invalid	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-missing-mandatory-elem	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-rnc-mem-exceed	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-sab-unoperational	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-unspecified-err	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Unspecified error Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-semantic-err	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Semantic error Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-abst-syntax-err-rej	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	load-query-fail-remote-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load Query Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-rx	INT32	Incremental	active	Indicates the total number of Reset message received.	When Reset message is received by PS Network.	Across all PS Networks	Standard
hnbgw-cbs-sabp	reset-rx-sa	INT32	Incremental	active	Number of Service Areas in Reset messages received from CBC Trigger : Reset message is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-comp-tx	INT32	Incremental	active	Number of Reset Complete messages sent to CBC Trigger : Reset Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-comp-tx-sa	INT32	Incremental	active	Number of Service Areas for which Reset Complete messages sent to CBC Trigger : Reset Complete message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-tx	INT32	Incremental	active	Number of Reset Failure messages sent to CBC Trigger : Reset Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-total-sa-success-tx	INT32	Incremental	active	Number of Service Areas for which Reset Complete was received from HNB and sent to CBC in Reset Failure message Trigger : Reset Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-total-sa-fail-tx	INT32	Incremental	active	Number of Service Areas for which Reset Failure was received from HNB and sent to CBC in Reset Failure message Trigger : Reset Failure message is sent CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-total-sa-fail-local-tx	INT32	Incremental	active	Number of Service Areas for which Reset Failure was not received from HNBGW generated Reset Failure sent to CBC in Reset Failure message Trigger : Reset Failure message is sent CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	reset-fail-local-param-not-recognise	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Parameter not recognised Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Valid CN message not identified Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-unrecognised-msg	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Unrecognised message Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-rnc-capacity-exceed	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: RNC capacity exceeded Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-sab-unsupported	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Service Area Broadcast not supported Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Message reference already used Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Transfer Syntax Error Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-msg-no-comp-rcvr	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Message not compatible with receiver state Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-param-invalid	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Parameter value invalid Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Service Area identity not valid Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Missing mandatory element Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-rnc-mem-exceed	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: RNC memory exceeded Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	reset-fail-local-sab-unoperational	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Service Area Broadcast not operational Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Unspecified error Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-semantic-err	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Semantic error Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-abst-syntax-err-rej	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Reject) Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-local-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages generated locally by HNBGW with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is generated locally by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-param-not-recognise	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter not recognised Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-valid-cn-msg-unidentified	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Valid CN message not identified Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-unrecognised-msg	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unrecognised message Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-rnc-capacity-exceed	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-sab-unsupported	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message reference already used Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-msg-no-comp-rcvr	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-param-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter value invalid Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area identity not valid Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-sabp	reset-fail-remote-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Missing mandatory element Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-rnc-mem-exceed	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC memory exceeded Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-sab-unoperational	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unspecified error Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-semantic-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Semantic error Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-abst-syntax-err-rej	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	reset-fail-remote-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	false-const	INT32	Incremental	active	Number of Restart messages sent to CBC Trigger : Restart message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	restart-tx	INT32	Incremental	active	Number of Service Areas in Restart messages sent to CBC Trigger : Restart message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	restart-tx-sa	INT32	Incremental	active	Number of Failure messages sent to CBC Trigger : Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	failure-tx	INT32	Incremental	active	Number of Service Areas in Failure messages sent to CBC Trigger : Failure message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	failure-tx-sa	INT32	Incremental	active	Number of Error Indication messages sent to CBC Trigger : Error Indication message is received by HNBGW and sent to CBC	Not Defined	CBS	Standard
hnbgw-cbs-sabp	err-ind-tx	INT32	Incremental	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-cbs-tcp	vpnname	STRING	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-CBS-TCP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-cbs-tcp	vpnid	INT32	Primary-key	active	Name of the HNBGW-IUBC-TCP service for which this bulk statistics are collected.	Configuration	Per HNBGW-CBS-TCP Service	Standard
hnbgw-cbs-tcp	service-name	STRING	Primary-key	active	Number of TCP connections initiated Trigger : When HNBGW initiates TCP connection towards CBC	Not Defined	CBS	Standard
hnbgw-cbs-tcp	conn-init	INT32	Incremental	active	Number of TCP connections failed Trigger : When HNBGW initiated TCP connection towards CBC failed	Not Defined	Not Defined	Standard
hnbgw-cbs-tcp	conn-fail	INT32	Incremental	active	Number of TCP connections established Trigger : When HNBGW successfully establishes TCP connection with CBC	Not Defined	CBS	Standard
hnbgw-cbs-tcp	conn-estab	INT32	Incremental	active	Number of TCP connections received Trigger : When HNBGW receives TCP connection from CBC	Not Defined	CBS	Standard
hnbgw-cbs-tcp	conn-recv	INT32	Incremental	active	Number of TCP connections refused Trigger : When HNBGW refuses TCP connection from CBC	Not Defined	CBS	Standard
hnbgw-cbs-tcp	conn-refuse	INT32	Incremental	active	Number of TCP connections established in Server mode Trigger : When HNBGW successfully establishes TCP connection with CBC and HNBGW acting as server	Not Defined	CBS	Standard
hnbgw-cbs-tcp	conn-accept	INT32	Incremental	active				

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-cbs-tcp	bytes-rx	INT32	Incremental	active	Number of bytes received Trigger : When TCP packet is received from CBC	Not Defined	CBS	Standard
hnbgw-cbs-tcp	bytes-tx	INT32	Incremental	active	Number of bytes transmitted Trigger : When TCP packet is sent towards CBC	Not Defined	CBS	Standard
mvs	currflows-paced	INT32	Gauge	active	The number of current video flows paced. For video pacing. This variable is proprietary.	The charging action event increments this statistic. Availability: Video pacing, which is part of ECS (Enhanced Charging Services), generates this statistic.	Video pacing, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	ttlflows-paced	INT32	Incremental	active	Not Defined	Not Defined	CBS	Standard
mvs	ttlflows-optimized	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	avrg-goodput	INT32	Gauge	active	Not Defined	Not Defined	Not Defined	Standard
mvs	avrg-conn-setup-time-ms	INT32	Gauge	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	avrg-goodput-cong-avoid	INT32	Gauge	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-video-avrg-rtt-ms	INT32	Gauge	active	The average video round trip time in milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-ttl-avrg-rtt-ms	INT32	Gauge	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-video-avrg-rate	INT32	Gauge	active	The average video bit rate in kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-avrg-rate	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-video-rtt-lt-50ms	INT32	Incremental	active	The number of average video round trip times less than 50 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-50-69ms	INT32	Incremental	active	The number of average video round trip times between 50 and 69 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-70-89ms	INT32	Incremental	active	The number of average video round trip times between 70 and 89 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-90-109ms	INT32	Incremental	active	The number of average video round trip times between 90 and 109 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-110-129ms	INT32	Incremental	active	The number of average video round trip times between 110 and 129 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-130-149ms	INT32	Incremental	active	The number of average video round trip times between 130 and 149 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-150-169ms	INT32	Incremental	active	The number of average video round trip times between 150 and 169 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-170-189ms	INT32	Incremental	active	The number of average video round trip times between 170 and 189 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-190-209ms	INT32	Incremental	active	The number of average video round trip times between 190 and 209 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-210-229ms	INT32	Incremental	active	The number of average video round trip times between 210 and 229 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-230-249ms	INT32	Incremental	active	The number of average video round trip times between 230 and 249 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-gteq-250ms	INT32	Incremental	active	The number of average video round trip times greater than or equal to 250 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-lt-250ms	INT32	Incremental	active	The number of average video round trip times less than 250 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-250-289ms	INT32	Incremental	active	The number of average video round trip times between 250 and 289 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-290-329ms	INT32	Incremental	active	The number of average video round trip times between 290 and 329 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-330-369ms	INT32	Incremental	active	The number of average video round trip times between 330 and 369 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-370-409ms	INT32	Incremental	active	The number of average video round trip times between 370 and 409 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-410-449ms	INT32	Incremental	active	The number of average video round trip times between 410 and 449 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-450-489ms	INT32	Incremental	active	The number of average video round trip times between 450 and 489 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-490-529ms	INT32	Incremental	active	The number of average video round trip times between 490 and 529 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-530-569ms	INT32	Incremental	active	The number of average video round trip times between 530 and 569 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-570-609ms	INT32	Incremental	active	The number of average video round trip times between 570 and 609 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-610-649ms	INT32	Incremental	active	The number of average video round trip times between 610 and 649 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-gteq-650ms	INT32	Incremental	active	The number of average video round trip times greater than or equal to 650 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-lt-650ms	INT32	Incremental	active	The number of average video round trip times less than 650 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-650-749ms	INT32	Incremental	active	The number of average video round trip times between 650 and 749 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-750-849ms	INT32	Incremental	active	The number of average video round trip times between 750 and 849 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-850-949ms	INT32	Incremental	active	The number of average video round trip times between 850 and 949 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-950-1049ms	INT32	Incremental	active	The number of average video round trip times between 950 and 1049 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-1050-1149ms	INT32	Incremental	active	The number of average video round trip times between 1050 and 1149 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-1150-1249ms	INT32	Incremental	active	The number of average video round trip times between 1150 and 1249 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-1250-1349ms	INT32	Incremental	active	The number of average video round trip times between 1250 and 1349 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-1350-1449ms	INT32	Incremental	active	The number of average video round trip times between 1350 and 1449 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-1450-1549ms	INT32	Incremental	active	The number of average video round trip times between 1450 and 1549 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rtt-1550-1649ms	INT32	Incremental	active	The number of average video round trip times between 1550 and 1649 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rtt-gteq-1650ms	INT32	Incremental	active	The number of average video round trip times greater than or equal to 1650 milliseconds. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-ttl-rtt-lt-50ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-50-69ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-70-89ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-90-109ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-110-129ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-130-149ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-150-169ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-170-189ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-190-209ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rtt-210-229ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-230-249ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-gteq-250ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-lt-250ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-250-289ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-290-329ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-330-369ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-370-409ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-410-449ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-450-489ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-490-529ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rtt-530-569ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-570-609ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-610-649ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-gteq-650ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-lt-650ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-650-749ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-750-849ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-850-949ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-950-1049ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-1050-1149ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-1150-1249ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rtt-1250-1349ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-1350-1449ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-1450-1549ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-1550-1649ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rtt-gteq-1650ms	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-video-rate-lt-20kbps	INT32	Incremental	active	The number of average video bit rates less than 20 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-20-39kbps	INT32	Incremental	active	The number of average video bit rates between 20 and 39 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-40-59kbps	INT32	Incremental	active	The number of average video bit rates between 40 and 59 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-60-79kbps	INT32	Incremental	active	The number of average video bit rates between 60 and 79 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-80-99kbps	INT32	Incremental	active	The number of average video bit rates between 80 and 99 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-100-119kbps	INT32	Incremental	active	The number of average video bit rates between 100 and 119 kbps. For TCP link monitoring.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-120-139kbps	INT32	Incremental	active	The number of average video bit rates between 120 and 139 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-140-159kbps	INT32	Incremental	active	The number of average video bit rates between 140 and 159 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-160-179kbps	INT32	Incremental	active	The number of average video bit rates between 160 and 179 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-180-199kbps	INT32	Incremental	active	The number of average video bit rates between 180 and 199 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-200-219kbps	INT32	Incremental	active	The number of average video bit rates between 200 and 219 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-gteq-220kbps	INT32	Incremental	active	The number of average video bit rates between greater than or equal to 220 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-lt-220kbps	INT32	Incremental	active	The number of average video bit rates between less than 220 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-220-259kbps	INT32	Incremental	active	The number of average video bit rates between 220 and 259 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-260-299kbps	INT32	Incremental	active	The number of average video bit rates between 260 and 299 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-300-339kbps	INT32	Incremental	active	The number of average video bit rates between 300 and 339 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-340-379kbps	INT32	Incremental	active	The number of average video bit rates between 340 and 379 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-380-419kbps	INT32	Incremental	active	The number of average video bit rates between 380 and 419 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-420-459kbps	INT32	Incremental	active	The number of average video bit rates between 420 and 459 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-460-499kbps	INT32	Incremental	active	The number of average video bit rates between 460 and 499 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-500-539kbps	INT32	Incremental	active	The number of average video bit rates between 500 and 539 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-540-579kbps	INT32	Incremental	active	The number of average video bit rates between 540 and 579 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-580-619kbps	INT32	Incremental	active	The number of average video bit rates between 580 and 619 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-gteq-620kbps	INT32	Incremental	active	The number of average video bit rates greater than or equal to 620 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-lt-620kbps	INT32	Incremental	active	The number of average video bit rates less than 620 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-620-719kbps	INT32	Incremental	active	The number of average video bit rates between 620 and 719 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-720-819kbps	INT32	Incremental	active	The number of average video bit rates between 720 and 819 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-820-919kbps	INT32	Incremental	active	The number of average video bit rates between 820 and 919 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-920-1019kbps	INT32	Incremental	active	The number of average video bit rates between 920 and 1019 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-1020-1119kbps	INT32	Incremental	active	The number of average video bit rates between 1020 and 1119 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-1120-1219kbps	INT32	Incremental	active	The number of average video bit rates between 1120 and 1219 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-1220-1319kbps	INT32	Incremental	active	The number of average video bit rates between 1220 and 1319 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-1320-1419kbps	INT32	Incremental	active	The number of average video bit rates between 1320 and 1419 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-video-rate-1420-1519kbps	INT32	Incremental	active	The number of average video bit rates between 1420 and 1519 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-1520-1619kbps	INT32	Incremental	active	The number of average video bit rates between 1520 and 1619 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-video-rate-gteq-1620kbps	INT32	Incremental	active	The number of average video bit rates greater than or equal to 1620 kbps. For TCP link monitoring. This variable is proprietary.	This variable get triggered when TCP link monitoring is enabled and the flow is identified as a video flow. Availability: TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic.	Standard
mvs	tcplm-ttl-rate-lt-20kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-20-39kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-40-59kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-60-79kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-80-99kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rate-100-119kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-120-139kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-140-159kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-160-179kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-180-199kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-200-219kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-gteq-220kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-lt-220kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-220-259kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-260-299kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-300-339kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rate-340-379kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-380-419kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-420-459kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-460-499kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-500-539kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-540-579kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-580-619kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-gteq-620kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-lt-620kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-620-719kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-720-819kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	tcplm-ttl-rate-820-919kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-920-1019kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-1020-1119kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-1120-1219kbps	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
mvs	tcplm-ttl-rate-1220-1319kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-1320-1419kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-1420-1519kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-1520-1619kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	tcplm-ttl-rate-gteq-1620kbps	INT32	Incremental	active	Not Defined	Not Defined	TCP link monitoring, which is part of ECS (Enhanced Charging Services), generates this statistic	Standard
mvs	ttl_vbytes_mp4_ios	INT64	Incremental	active	The total video bytes for MP4 containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_mp4_android	INT64	Incremental	active	The total video bytes for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vbytes_mp4_laptop	INT64	Incremental	active	The total video bytes for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_mp4_unk_ue	INT64	Incremental	active	The total video bytes for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_flv_ios	INT64	Incremental	active	The total video bytes for FLV (Flash Video) containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_flv_android	INT64	Incremental	active	The total video bytes for FLV (Flash Video) containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_flv_laptop	INT64	Incremental	active	The total video bytes for FLV (Flash Video) containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_flv_unk_ue	INT64	Incremental	active	The total video bytes for FLV (Flash Video) containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_f4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_f4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_f4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_f4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_m4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_m4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_m4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_m4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_isom_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_isom_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_isom_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_isom_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_qt_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_qt_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_qt_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_qt_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3g2_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3g2_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3g2_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3g2_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3gp_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3gp_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3gp_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_3gp_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_avi_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vbytes_avi_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_avi_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_avi_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_wmv_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_wmv_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_wmv_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_wmv_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vbytes_unk_cntnr_ios	INT64	Incremental	active	The total video bytes for other containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_cntnr_android	INT64	Incremental	active	The total video bytes for other containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_cntnr_laptop	INT64	Incremental	active	The total video bytes for other containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_cntnr_unk_ue	INT64	Incremental	active	The total video bytes for other containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_mp4_ios	INT64	Incremental	active	The total video duration for MP4 containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_mp4_android	INT64	Incremental	active	The total video duration for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_mp4_laptop	INT64	Incremental	active	The total video duration for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_mp4_unk_ue	INT64	Incremental	active	The total video duration for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_flv_ios	INT64	Incremental	active	The total video duration for FLV (Flash Video) containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vduration_flv_android	INT64	Incremental	active	The total video duration for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_flv_laptop	INT64	Incremental	active	The total video duration for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_flv_unk_ue	INT64	Incremental	active	The total video duration for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_f4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_f4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_f4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_f4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_m4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_m4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_m4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_m4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_isom_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_isom_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_isom_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_isom_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_qt_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_qt_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_qt_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_qt_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3g2_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3g2_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3g2_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3g2_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3gp_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3gp_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3gp_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_3gp_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_avi_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_avi_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_avi_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_avi_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_wmv_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_wmv_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_wmv_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_wmv_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_vduration_unk_cntnr_ios	INT64	Incremental	active	The total video duration for other containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vduration_unk_cntnr_android	INT64	Incremental	active	The total video duration for other containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_cntnr_laptop	INT64	Incremental	active	The total video duration for other containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_cntnr_unk_ue	INT64	Incremental	active	The total video duration for other containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_mp4_ios	INT64	Incremental	active	The total video bytes for MP4 containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_mp4_android	INT64	Incremental	active	The total video bytes for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_mp4_laptop	INT64	Incremental	active	The total video bytes for MP4 containers for laptops. For video analytics.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_mp4_unk_ue	INT64	Incremental	active	The total video bytes for MP4 containers for other devices. For video analytics.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_flv_ios	INT64	Incremental	active	The total video bytes for FLV (Flash Video) containers for iPhone/iPad/iPod (iOS) devices. For video analytics.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_flv_android	INT64	Incremental	active	Total video bytes for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_flv_laptop	INT64	Incremental	active	The total video bytes for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_flv_unk_ue	INT64	Incremental	active	The total video bytes for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_txbytes_f4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_f4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_f4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_f4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_m4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_m4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_m4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_m4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_isom_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_isom_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_isom_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_isom_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_qt_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_qt_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_qt_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_qt_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3g2_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3g2_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3g2_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3g2_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3gp_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3gp_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3gp_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_3gp_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_avi_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_avi_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_avi_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_avi_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_wmv_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_wmv_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_wmv_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_wmv_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_txbytes_unk_cntnr_ios	INT64	Incremental	active	The total video bytes for other containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_cntnr_android	INT64	Incremental	active	The total video bytes for other containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_cntnr_laptop	INT64	Incremental	active	The total video bytes for other containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_cntnr_unk_ue	INT64	Incremental	active	The total video bytes for other containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_count_mp4_ios	INT64	Incremental	active	The total videos for MP4 containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_mp4_android	INT64	Incremental	active	The total videos for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_mp4_laptop	INT64	Incremental	active	The total videos for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_mp4_unk_ue	INT64	Incremental	active	The total videos for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_flv_ios	INT64	Incremental	active	The total videos for FLV (Flash Video) containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_flv_android	INT64	Incremental	active	The total videos for MP4 containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_flv_laptop	INT64	Incremental	active	The total videos for MP4 containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_flv_unk_ue	INT64	Incremental	active	The total videos for MP4 containers for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_f4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_f4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_f4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_f4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_m4v_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_m4v_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_m4v_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_m4v_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_isom_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_isom_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_isom_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_isom_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_qt_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_qt_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_qt_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_count_qt_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3g2_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3g2_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3g2_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3g2_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3gp_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3gp_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3gp_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_3gp_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_avi_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_avi_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_avi_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_avi_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_wmv_ios	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_wmv_android	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_wmv_laptop	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_wmv_unk_ue	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_video_count_unk_cntnr_ios	INT64	Incremental	active	The total videos for other containers for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_cntnr_android	INT64	Incremental	active	The total videos for other containers for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_cntnr_laptop	INT64	Incremental	active	The total videos for other containers for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_cntnr_unk_ue	INT64	Incremental	active	The total videos for other container for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_gprs_ios	INT64	Incremental	active	The total video bytes for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_gprs_android	INT64	Incremental	active	The total video bytes for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_gprs_laptop	INT64	Incremental	active	The total video bytes for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vbytes_gprs_unk_ue	INT64	Incremental	active	The total video bytes for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_umts_ios	INT64	Incremental	active	The total video bytes for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_umts_android	INT64	Incremental	active	The total video bytes for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_umts_laptop	INT64	Incremental	active	The total video bytes for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_umts_unk_ue	INT64	Incremental	active	The total video bytes for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_lte_ios	INT64	Incremental	active	The total video bytes for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_lte_android	INT64	Incremental	active	The total video bytes for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_lte_laptop	INT64	Incremental	active	The total video bytes for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_lte_unk_ue	INT64	Incremental	active	The total video bytes for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_hspa_ios	INT64	Incremental	active	The total video bytes for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_hspa_android	INT64	Incremental	active	The total video bytes for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vbytes_hspa_laptop	INT64	Incremental	active	The total video bytes for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_hspa_unk_ue	INT64	Incremental	active	The total video bytes for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_wlan_ios	INT64	Incremental	active	The total video bytes for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_wlan_android	INT64	Incremental	active	The total video bytes for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_wlan_laptop	INT64	Incremental	active	The total video bytes for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_wlan_unk_ue	INT64	Incremental	active	The total video bytes for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_cdma_ios	INT64	Incremental	active	The total video bytes for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_cdma_android	INT64	Incremental	active	The total video bytes for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_cdma_laptop	INT64	Incremental	active	The total video bytes for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_cdma_unk_ue	INT64	Incremental	active	The total video bytes for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_rat_ios	INT64	Incremental	active	The total video bytes for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vbytes_unk_rat_android	INT64	Incremental	active	The total video bytes for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_rat_laptop	INT64	Incremental	active	The total video bytes for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vbytes_unk_rat_unk_ue	INT64	Incremental	active	The total video bytes for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_gprs_ios	INT64	Incremental	active	The total video duration for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_gprs_android	INT64	Incremental	active	The total video duration for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_gprs_laptop	INT64	Incremental	active	The total video duration for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_gprs_unk_ue	INT64	Incremental	active	The total video duration for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_umts_ios	INT64	Incremental	active	The total video duration for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_umts_android	INT64	Incremental	active	The total video duration for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_umts_laptop	INT64	Incremental	active	The total video duration for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_umts_unk_ue	INT64	Incremental	active	The total video duration for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vduration_lte_ios	INT64	Incremental	active	The total video duration for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_lte_android	INT64	Incremental	active	The total video duration for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_lte_laptop	INT64	Incremental	active	The total video duration for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_lte_unk_ue	INT64	Incremental	active	The total video duration for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_hspa_ios	INT64	Incremental	active	The total video duration for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_hspa_android	INT64	Incremental	active	The total video duration for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_hspa_laptop	INT64	Incremental	active	The total video duration for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_hspa_unk_ue	INT64	Incremental	active	The total video duration for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_wlan_ios	INT64	Incremental	active	The total video duration for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_wlan_android	INT64	Incremental	active	The total video duration for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_wlan_laptop	INT64	Incremental	active	The total video duration for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_vduration_wlan_unk_ue	INT64	Incremental	active	The total video duration for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_cdma_ios	INT64	Incremental	active	The total video duration for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_cdma_android	INT64	Incremental	active	The total video duration for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_cdma_laptop	INT64	Incremental	active	The total video duration for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_cdma_unk_ue	INT64	Incremental	active	The total video duration for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_rat_ios	INT64	Incremental	active	The total video duration for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_rat_android	INT64	Incremental	active	The total video duration for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_rat_laptop	INT64	Incremental	active	The total video duration for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_vduration_unk_rat_unk_ue	INT64	Incremental	active	The total video duration for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_gprs_ios	INT64	Incremental	active	The total video bytes sent for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_gprs_android	INT64	Incremental	active	The total video bytes sent for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_txbytes_gprs_laptop	INT64	Incremental	active	The total video bytes sent for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_gprs_unk_ue	INT64	Incremental	active	The total video bytes sent for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_umts_ios	INT64	Incremental	active	The total video bytes sent for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_umts_android	INT64	Incremental	active	The total video bytes sent for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_umts_laptop	INT64	Incremental	active	The total video bytes sent for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_umts_unk_ue	INT64	Incremental	active	The total video bytes sent for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_lte_ios	INT64	Incremental	active	The total video bytes sent for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_lte_android	INT64	Incremental	active	The total video bytes sent for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_lte_laptop	INT64	Incremental	active	The total video bytes sent for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_lte_unk_ue	INT64	Incremental	active	The total video bytes sent for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_hspa_ios	INT64	Incremental	active	The total video bytes sent for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_txbytes_hspa_android	INT64	Incremental	active	The total video bytes sent for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_hspa_laptop	INT64	Incremental	active	The total video bytes sent for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_hspa_unk_ue	INT64	Incremental	active	The total video bytes sent for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_wlan_ios	INT64	Incremental	active	The total video bytes sent for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_wlan_android	INT64	Incremental	active	The total video bytes sent for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_wlan_laptop	INT64	Incremental	active	The total video bytes sent for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_wlan_unk_ue	INT64	Incremental	active	The total video bytes sent for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_cdma_ios	INT64	Incremental	active	The total video bytes sent for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_cdma_android	INT64	Incremental	active	The total video bytes sent for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_cdma_laptop	INT64	Incremental	active	The total video bytes sent for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_cdma_unk_ue	INT64	Incremental	active	The total video bytes sent for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_txbytes_unk_rat_ios	INT64	Incremental	active	The total video bytes sent for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_rat_android	INT64	Incremental	active	The total video bytes sent for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_rat_laptop	INT64	Incremental	active	The total video bytes sent for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_txbytes_unk_rat_unk_ue	INT64	Incremental	active	The total video bytes sent for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_gprs_ios	INT64	Incremental	active	The total video sessions on time for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_gprs_android	INT64	Incremental	active	The total video sessions on time for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_gprs_laptop	INT64	Incremental	active	The total video sessions on time for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_gprs_unk_ue	INT64	Incremental	active	The total video sessions on time for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_umts_ios	INT64	Incremental	active	The total video sessions on time for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_umts_android	INT64	Incremental	active	The total video sessions on time for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_umts_laptop	INT64	Incremental	active	The total video sessions on time for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_session_time_umts_unk_ue	INT64	Incremental	active	The total video sessions on time for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_lte_ios	INT64	Incremental	active	The total video sessions on time for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_lte_android	INT64	Incremental	active	The total video sessions on time for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_lte_laptop	INT64	Incremental	active	The total video sessions on time for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_lte_unk_ue	INT64	Incremental	active	The total video sessions on time for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_hspa_ios	INT64	Incremental	active	The total video sessions on time for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_hspa_android	INT64	Incremental	active	The total video sessions on time for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_hspa_laptop	INT64	Incremental	active	The total video sessions on time for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_hspa_unk_ue	INT64	Incremental	active	The total video sessions on time for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_wlan_ios	INT64	Incremental	active	The total video sessions on time for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_wlan_android	INT64	Incremental	active	The total video sessions on time for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_session_time_wlan_laptop	INT64	Incremental	active	The total video sessions on time for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_wlan_unk_ue	INT64	Incremental	active	The total video sessions on time for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_cdma_ios	INT64	Incremental	active	The total video sessions on time for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_cdma_android	INT64	Incremental	active	The total video sessions on time for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_cdma_laptop	INT64	Incremental	active	The total video sessions on time for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_cdma_unk_ue	INT64	Incremental	active	The total video sessions on time for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_unk_rat_ios	INT64	Incremental	active	The total video sessions on time for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_unk_rat_android	INT64	Incremental	active	The total video sessions on time for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_unk_rat_laptop	INT64	Incremental	active	The total video sessions on time for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_session_time_unk_rat_unk_ue	INT64	Incremental	active	The total video sessions on time for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_gprs_ios	INT64	Incremental	active	The total TCP video flow count for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_tcp_flow_gprs_android	INT64	Incremental	active	The total TCP video flow count for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_gprs_laptop	INT64	Incremental	active	The total TCP video flow count for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_gprs_unk_ue	INT64	Incremental	active	The total TCP video flow count for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_umts_ios	INT64	Incremental	active	The total TCP video flow count for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_umts_android	INT64	Incremental	active	The total TCP video flow count for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_umts_laptop	INT64	Incremental	active	The total TCP video flow count for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_umts_unk_ue	INT64	Incremental	active	The total TCP video flow count for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_lte_ios	INT64	Incremental	active	The total TCP video flow count for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_lte_android	INT64	Incremental	active	The total TCP video flow count for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_lte_laptop	INT64	Incremental	active	The total TCP video flow count for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_lte_unk_ue	INT64	Incremental	active	The total TCP video flow count for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_tcp_flow_hspa_ios	INT64	Incremental	active	The total TCP video flow count for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_hspa_android	INT64	Incremental	active	The total TCP video flow count for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_hspa_laptop	INT64	Incremental	active	The total TCP video flow count for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_hspa_unk_ue	INT64	Incremental	active	The total TCP video flow count for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_wlan_ios	INT64	Incremental	active	The total TCP video flow count for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_wlan_android	INT64	Incremental	active	The total TCP video flow count for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_wlan_laptop	INT64	Incremental	active	The total TCP video flow count for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_wlan_unk_ue	INT64	Incremental	active	The total TCP video flow count for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_cdma_ios	INT64	Incremental	active	The total TCP video flow count for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_cdma_android	INT64	Incremental	active	The total TCP video flow count for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_cdma_laptop	INT64	Incremental	active	The total TCP video flow count for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_tcp_flow_cdma_unk_ue	INT64	Incremental	active	The total TCP video flow count for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_unk_rat_ios	INT64	Incremental	active	The total TCP video flow count for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_unk_rat_android	INT64	Incremental	active	The total TCP video flow count for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	Not Defined	Not Defined	Standard
mvs	ttl_video_tcp_flow_unk_rat_laptop	INT64	Incremental	active	The total TCP video flow count for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_tcp_flow_unk_rat_unk_ue	INT64	Incremental	active	The total TCP video flow count for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_gprs_ios	INT64	Incremental	active	The total video object count for GPRS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_gprs_android	INT64	Incremental	active	The total video object count for GPRS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_gprs_laptop	INT64	Incremental	active	The total video object count for GPRS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_gprs_unk_ue	INT64	Incremental	active	The total video object count for GPRS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_umts_ios	INT64	Incremental	active	The total video object count for UMTS Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_umts_android	INT64	Incremental	active	The total video object count for UMTS Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_count_umts_laptop	INT64	Incremental	active	The total video object count for UMTS Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_umts_unk_ue	INT64	Incremental	active	The total video object count for UMTS Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_lte_ios	INT64	Incremental	active	The total video object count for LTE Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_lte_android	INT64	Incremental	active	The total video object count for LTE Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_lte_laptop	INT64	Incremental	active	The total video object count for LTE Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_lte_unk_ue	INT64	Incremental	active	The total video object count for LTE Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_hspa_ios	INT64	Incremental	active	The total video object count for HSPA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_hspa_android	INT64	Incremental	active	The total video object count for HSPA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_hspa_laptop	INT64	Incremental	active	The total video object count for HSPA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_hspa_unk_ue	INT64	Incremental	active	The total video object count for HSPA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_wlan_ios	INT64	Incremental	active	The total video object count for WLAN Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_video_count_wlan_android	INT64	Incremental	active	The total video object count for WLAN Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_wlan_laptop	INT64	Incremental	active	The total video object count for WLAN Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_wlan_unk_ue	INT64	Incremental	active	The total video object count for WLAN Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_cdma_ios	INT64	Incremental	active	The total video object count for CDMA Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_cdma_android	INT64	Incremental	active	The total video object count for CDMA Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_cdma_laptop	INT64	Incremental	active	The total video object count for CDMA Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_cdma_unk_ue	INT64	Incremental	active	The total video object count for CDMA Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_rat_ios	INT64	Incremental	active	The total video object count for other Radio Access Type for iPhone/iPad/iPod (iOS) devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_rat_android	INT64	Incremental	active	The total video object count for other Radio Access Type for Android devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_rat_laptop	INT64	Incremental	active	The total video object count for other Radio Access Type for laptops. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard
mvs	ttl_video_count_unk_rat_unk_ue	INT64	Incremental	active	The total video object count for other Radio Access Type for other devices. For video analytics. This variable is proprietary.	This variable get triggered for each downloaded video when the video information is timed out from the MVG cache.	Video analytics generates this statistic.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
mvs	ttl_abr_stream_count	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_count_hls	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_count_mss	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_count_ads	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_modified_count	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_modified_count_hls	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_modified_count_mss	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_modified_count_ads	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_parsing_errors	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	ttl_abr_stream_misc_errors	INT64	Incremental	active	NONE	NONE	NONE	Standard
mvs	mvs-currflows-paced	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
mvs	mvs-totalflows-paced	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
dlci-util	card	INT32	Primary-key	active	Chassis slot numbers.	Not Defined	Not Defined	Standard
dlci-util	port	INT32	Primary-key	active	The UDP port being used for the exchange of RADIUS data.	Not Defined	Not Defined	Standard
dlci-util	dlci_util_path	INT32	Gauge	active	Identifies a logical Frame Relay path associated with the port. Valid range is 1 to 3.	N/A	per CLC2	Standard
dlci-util	dlci_util_ds1e1	INT32	Gauge	active	Identifies the type of connection E1 or T1 associated with this path.	N/A	per CLC2	Standard
dlci-util	dlci_util_timeslot	INT32	Gauge	active	Identifies the timeslot configured for this E1/T1 connection.	N/A	per CLC2	Standard
dlci-util	dlci_util_dlci_no	INT32	Gauge	active	Indicates a specific data link connection identifier (DLCI) for which the utilization information will be displayed.	N/A	per CLC2	Standard
dlci-util	dlci_util_nsvc	INT32	Incremental	active	Identifies a specific network service virtual circuit (NSVC) associated with the DLCI.	N/A	per CLC2	Standard
dlci-util	dlci_util_nse	INT32	Incremental	active	Identifies the specific network service entity (NSE) associated with the DLCI.	N/A	per CLC2	Standard
dlci-util	dlci_util_dlci_curr_rx	INT64	Gauge	active	Indicates the current average number of kbps of received traffic via the DLCI.	Collects the Rx byte statistic when a message is received.	per CLC2	Standard
dlci-util	dlci_util_dlci_curr_tx	INT64	Gauge	active	Indicates the current average number of kbps of transmitted traffic via the DLCI.	Collects the Tx byte statistic when a message is transmitted.	per CLC2	Standard
dlci-util	dlci_util_dlci_5min_rx	INT64	Gauge	active	Indicates the average number of kbps of received traffic via the DLCI in a 5 minute period.	N/A	per CLC2	Standard
dlci-util	dlci_util_dlci_5min_tx	INT64	Gauge	active	This gauge indicates the average number of kbps of transmitted traffic via the DLCI in a 5 minute period.	N/A	per CLC2	Standard
dlci-util	dlci_util_dlci_15min_rx	INT64	Gauge	active	This gauge indicates the average number of kbps of received traffic via the DLCI in a 15 minute period.	N/A	per CLC2	Standard
dlci-util	dlci_util_dlci_15min_tx	INT64	Gauge	active	This gauge indicates the average number of kbps of transmitted traffic via the DLCI in a 15 minute period.	N/A	per CLC2	Standard
rp-per-pcf	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
rp-per-pcf	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the RP-Per-PCF service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
rp-per-pcf	servname	STRING	Primary-key	active	The name of the RP-Per-PCF service for which these statistics are being displayed.	Configuration	Per RP-Per-PCF Service	Standard
rp-per-pcf	servid	INT32	Primary-key	active	The identification number of the service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per RP-Per-PCF Service	Standard
rp-per-pcf	pcf-ip-addr	STRING	Primary-key	active	Not Defined	Not Defined	Not Defined	Standard
rp-per-pcf	recv-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
rp-per-pcf	accept-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
rp-per-pcf	update-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
rp-per-pcf	update-ack-recv-total	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
ppp-per-pcf	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
ppp-per-pcf	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the PPP-Per-PCF service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
ppp-per-pcf	servname	STRING	Primary-key	active	The name of the PPP-Per-PCF service for which these statistics are being displayed.	Configuration	Per PPP-Per-PCF Service	Standard
ppp-per-pcf	servid	INT32	Primary-key	active	The identification number of the service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per PPP-Per-PCF Service	Standard
ppp-per-pcf	pcf-ip-addr	STRING	Primary-key	active	Not Defined	Not Defined	Not Defined	Standard
ppp-per-pcf	total-init	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
ppp-per-pcf	total-sess-succ	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
ppp-per-pcf	total-lcp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
ppp-per-pcf	total-auth	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
ppp-per-pcf	total-ipcp	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
vlan-npu	slot-no	INT32	Primary-key	active	Not Defined	Not Defined	Not Defined	Standard
vlan-npu	port-no	INT32	Primary-key	active	The port number on an interface card.	Not Defined	Not Defined	Standard
vlan-npu	vpnname	STRING	Primary-key	active	The name assigned to vpnname	Not Defined	Not Defined	Standard
vlan-npu	vpnid	INT32	Primary-key	active	The id assigned to vpnname	Not Defined	Not Defined	Standard
vlan-npu	interface	INT32	Primary-key	active	Internal number that uniquely identifies an interface.	Not Defined	Not Defined	Standard
vlan-npu	interfacename	STRING	Primary-key	active	The name assigned to the interface by the user.	Not Defined	Not Defined	Standard
vlan-npu	interfacetype	INT32	Primary-key	active	The integer corresponding to the interface type (media) supported by the interface. [0 = Unknown] [1 = Ethernet] [2 = PVC] [3 = Loopback] [4 = Tunnel]	Not Defined	Not Defined	Standard
vlan-npu	ip-addr	STRING	Gauge	active	The primary IP address of the interface.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s1	STRING	Gauge	active	The first secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s2	STRING	Gauge	active	The second secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s3	STRING	Gauge	active	The third secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s4	STRING	Gauge	active	The fourth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s5	STRING	Gauge	active	The fifth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s6	STRING	Gauge	active	The sixth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s7	STRING	Gauge	active	The seventh secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s8	STRING	Gauge	active	The eight secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s9	STRING	Gauge	active	The ninth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s10	STRING	Gauge	active	The tenth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s11	STRING	Gauge	active	The eleventh secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s12	STRING	Gauge	active	The twelfth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s13	STRING	Gauge	active	The thirteenth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s14	STRING	Gauge	active	The fourteenth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	ip-addr-s15	STRING	Gauge	active	The fifteenth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	ip-addr-s16	STRING	Gauge	active	The sixteenth secondary IP address associated with this slot/port.	Not Defined	Not Defined	Standard
vlan-npu	unicast-rx-frames	INT64	Incremental	active	The total number of received Unicast frames (IPv4 and IPv6).	Increments whenever a Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	unicast-rx-bytes	INT64	Incremental	active	The total number of received Unicast bytes (IPv4 and IPv6).	Increments whenever a Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	unicast-tx-frames	INT64	Incremental	active	The total number of transmitted Unicast frames (IPv4 and IPv6).	Increments whenever a Unicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted Unicast bytes (IPv4 and IPv6).	Increments whenever a Unicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	multicast-rx-frames	INT64	Incremental	active	The total number of received Multicast frames (IPv4 and IPv6).	Increments whenever a Multicast packet is received on an interface	Existing interface	Standard
vlan-npu	multicast-rx-bytes	INT64	Incremental	active	The total number of received Multicast bytes (IPv4 and IPv6).	Increments whenever a Multicast packet is received on an interface.	Existing interface	Standard
vlan-npu	multicast-tx-frames	INT64	Incremental	active	The total number of transmitted Multicast frames (IPv4 and IPv6).	Increments whenever a Multicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	multicast-tx-bytes	INT64	Incremental	active	The total number of transmitted Multicast bytes (IPv4 and IPv6).	Increments whenever a Multicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	broadcast-rx-frames	INT64	Incremental	active	The total number of received Broadcast frames (IPv4 and IPv6).	Increments whenever a Broadcast packet is received on an interface.	Existing interface	Standard
vlan-npu	broadcast-rx-bytes	INT64	Incremental	active	The total number of received Broadcast bytes (IPv4 and IPv6).	Increments whenever a Broadcast packet is received on an interface.	Existing interface	Standard
vlan-npu	broadcast-tx-frames	INT64	Incremental	active	The total number of transmitted Broadcast frames (IPv4 and IPv6).	Increments whenever a Broadcast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	broadcast-tx-bytes	INT64	Incremental	active	The total number of transmitted Broadcast bytes (IPv4 and IPv6).	Increments whenever a Broadcast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv4-unicast-rx-frames	INT64	Incremental	active	The total number of received Unicast frames (IPv4 only).	Increments whenever an IPv4 Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv4-unicast-rx-bytes	INT64	Incremental	active	The total number of received Unicast bytes (IPv4 only).	Increments whenever an IPv4 Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv4-unicast-tx-frames	INT64	Incremental	active	The total number of transmitted Unicast frames (IPv4 only).	Increments whenever an IPv4 Unicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	ipv4-unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted Unicast bytes (IPv4 only).	Increments whenever an IPv4 Unicast packet is transmitted over an interface	Existing interface	Standard
vlan-npu	ipv4-non-unicast-rx-frames	INT64	Incremental	active	The total number of received non-Unicast frames (IPv4 only).	Increments whenever an IPv4 non-Unicast packet is received on an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	ipv4-non-unicast-rx-bytes	INT64	Incremental	active	The total number of received non-Unicast bytes (IPv4 only).	Increments whenever an IPv4 non-Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv4-non-unicast-tx-frames	INT64	Incremental	active	The total number of transmitted non-Unicast frames (IPv4 only).	Increments whenever an IPv4 non-Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv4-non-unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted non-Unicast bytes (IPv4 only).	Increments whenever an IPv4 non-Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv6-unicast-rx-frames	INT64	Incremental	active	The total number of received Unicast frames (IPv6 only).	Increments whenever an IPv6 Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv6-unicast-rx-bytes	INT64	Incremental	active	The total number of received Unicast bytes (IPv6 only).	Increments whenever an IPv6 Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv6-unicast-tx-frames	INT64	Incremental	active	The total number of transmitted Unicast frames (IPv6 only).	Increments whenever an IPv6 Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv6-unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted Unicast bytes (IPv6 only).	Increments whenever an IPv6 Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv6-non-unicast-rx-frames	INT64	Incremental	active	The total number of received non-Unicast frames (IPv6 only).	Increments whenever an IPv6 non-Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv6-non-unicast-rx-bytes	INT64	Incremental	active	The total number of received non-Unicast bytes (IPv6 only).	Increments whenever an IPv6 non-Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	ipv6-non-unicast-tx-frames	INT64	Incremental	active	The total number of transmitted non-Unicast frames (IPv6 only).	Increments whenever an IPv6 non-Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv6-non-unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted non-Unicast bytes (IPv6 only).	Increments whenever an IPv6 non-Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	fragment-rcvd-rx-frames	INT64	Incremental	active	The total number of fragments received in frames (IPv4 and IPv6).	Increments whenever IPv6/IPv4 fragment frames are received over an interface.	Existing interface	Standard
vlan-npu	fragment-rcvd-rx-bytes	INT64	Incremental	active	The total number of fragments received in bytes (IPv4 and IPv6).	Increments whenever IPv6/IPv4 fragment bytes are received over an interface.	Existing interface	Standard
vlan-npu	pkt-reassembled-rx-frames	INT64	Incremental	active	The total number of received frames with reassembled packets.	Increments whenever reassembled packets are received on an interface.	Existing interface	Standard
vlan-npu	pkt-reassembled-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with reassembled packets.	Increments whenever reassembled packets are received on an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	fragment-to-kernel-rx-frames	INT64	Incremental	active	The total number of received fragment frames handed to the kernel (IPv4 and IPv6).	Increments whenever fragmented frames are received by the kernel from an interface.	Existing interface	Standard
vlan-npu	fragment-to-kernel-rx-bytes	INT64	Incremental	active	The total number of received fragment bytes handed to the kernel (IPv4 and IPv6).	Increments whenever fragmented bytes are received by the kernel from an interface.	Existing interface	Standard
vlan-npu	hardware-error-rx-frames	INT64	Incremental	active	The total number of received frames associated with hardware errors.	Increments whenever a packet associated with a hardware error is received.	Existing interface	Standard
vlan-npu	hardware-error-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with hardware errors.	Increments whenever a packet associated with a hardware error is received on an interface.	Existing interface	Standard
vlan-npu	port-nonoper-rx-frames	INT64	Incremental	active	The total number of received frames associated with a non-operable port indicator.	Increments whenever a packet associated with a non-operable port indicator is received on an interface.	Existing interface	Standard
vlan-npu	port-nonoper-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with a non-operable port indicator.	Increments whenever a packet associated with a non-operable port indicator is received on an interface.	Existing interface	Standard
vlan-npu	port-nonoper-tx-frames	INT64	Incremental	active	The total number of transmitted frames associated with a non-operable port indicator.	Increments whenever a packet associated with a non-operable port indicator is transmitted over an interface.	Existing interface	Standard
vlan-npu	port-nonoper-tx-bytes	INT64	Incremental	active	The total number of transmitted bytes associated with a non-operable port indicator.	Increments whenever a packet associated with a non-operable port indicator is transmitted over an interface.	Existing interface	Standard
vlan-npu	srcmac-multicast-rx-frames	INT64	Incremental	active	The total number of frames associated with Multicast packets that include source MAC addresses.	Increments whenever a Multicast packet containing a source MAC address is received on an interface.	Existing interface	Standard
vlan-npu	srcmac-multicast-rx-bytes	INT64	Incremental	active	The total number of bytes associated with Multicast packets that include source MAC addresses.	Increments whenever a Multicast packet containing a source MAC address is received on an interface.	Existing interface	Standard
vlan-npu	unknown-vlan-tag-rx-frames	INT64	Incremental	active	The total number of received frames associated with an unknown VLAN tag.	Increments whenever a packet associated with an unknown VLAN tag is received over an interface.	Existing interface	Standard
vlan-npu	unknown-vlan-tag-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with an unknown VLAN tag.	Increments whenever a packet associated with an unknown VLAN tag is received over an interface.	Existing interface	Standard
vlan-npu	other-protocol-rx-frames	INT64	Incremental	active	The total number of received frames for non-IP packets.	Increments whenever a non-IP packet is received on an interface.	Existing interface	Standard
vlan-npu	other-protocol-rx-bytes	INT64	Incremental	active	The total number of received bytes for non-IP packets.	Increments whenever a non-IP packet is received on an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	not-ipv4-rx-frames	INT64	Incremental	active	The total number of received non-IPv4 frames.	Increments whenever a non-IPv4 packet is received on an interface.	Existing interface	Standard
vlan-npu	not-ipv4-rx-bytes	INT64	Incremental	active	The total number of received non-IPv4 bytes.	Increments whenever a non-IPv4 packet is received on an interface.	Existing interface	Standard
vlan-npu	bad-ipv4-hdr-rx-frames	INT64	Incremental	active	The total number of received frames for packets having bad IPv4 headers.	Increments whenever a packet containing a bad IPv4 header is received on an interface.	Existing interface	Standard
vlan-npu	bad-ipv4-hdr-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with packets having bad IPv4 headers.	Increments whenever a packet containing a bad IPv4 header is received on an interface.	Existing interface	Standard
vlan-npu	ipv4-mru-excd-rx-frames	INT64	Incremental	active	The total number of received frames for packets where the IPv4 Maximum Receive Unit (MRU) has been exceeded.	Increments whenever a packet with a byte count that exceeds the MRU is received on an interface.	Existing interface	Standard
vlan-npu	ipv4-mru-excd-rx-bytes	INT64	Incremental	active	The total number of received bytes for packets where the IPv4 MRU has been exceeded.	Increments whenever a packet with a byte count that exceeds the MRU is received on an interface.	Existing interface	Standard
vlan-npu	tcp-tiny-fragment-rx-frames	INT64	Incremental	active	The total number of received TCP frames containing tiny fragments. This may be an indication of a fragmentation attack designed to circumvent user-defined filtering rules.	Increments whenever a TCP packet containing tiny fragments is received on an interface.	Existing interface	Standard
vlan-npu	tcp-tiny-fragment-rx-bytes	INT64	Incremental	active	The total number of received TCP bytes containing tiny fragments.	Increments whenever a TCP packet containing tiny fragments is received on an interface.	Existing interface	Standard
vlan-npu	tcp-tiny-fragment-tx-frames	INT64	Incremental	active	The total number of transmitted TCP frames containing tiny fragments.	Increments whenever a TCP packet containing tiny fragments is transmitted over an interface.	Existing interface	Standard
vlan-npu	tcp-tiny-fragment-tx-bytes	INT64	Incremental	active	The total number of transmitted TCP bytes containing tiny fragments.	Increments whenever a TCP packet containing tiny fragments is transmitted over an interface.	Existing interface	Standard
vlan-npu	no-acl-match-rx-frames	INT64	Incremental	active	The total number of received frames having no Access Control List (ACL) matches.	Increments whenever a packet that could not be matched via an ACL is received on an interface.	Existing interface	Standard
vlan-npu	no-acl-match-rx-bytes	INT64	Incremental	active	The total number of received bytes having no Access Control List (ACL) matches.	Increments whenever a packet that could not be matched via an ACL is received on an interface.	Existing interface	Standard
vlan-npu	no-acl-match-tx-frames	INT64	Incremental	active	The total number of transmitted frames having no Access Control List (ACL) matches.	Increments whenever a packet that could not be matched via an ACL is transmitted over an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	no-acl-match-tx-bytes	INT64	Incremental	active	The total number of transmitted bytes having no Access Control List (ACL) matches.	Increments whenever a packet that could not be matched via an ACL is transmitted over an interface.	Existing interface	Standard
vlan-npu	acl-filtered-rx-frames	INT64	Incremental	active	The total number of received frames that have been filtered via an ACL.	Increments whenever a packet that has been filtered via an ACL is received on an interface.	Existing interface	Standard
vlan-npu	acl-filtered-rx-bytes	INT64	Incremental	active	The total number of received bytes that have been filtered via an ACL.	Increments whenever a packet that has been filtered via an ACL is received on an interface.	Existing interface	Standard
vlan-npu	acl-filtered-tx-frames	INT64	Incremental	active	The total number of transmitted frames that have been filtered via an ACL.	Increments whenever a packet that has been filtered via an ACL is transmitted over an interface.	Existing interface	Standard
vlan-npu	acl-filtered-tx-bytes	INT64	Incremental	active	The total number of transmitted bytes that have been filtered via an ACL.	Increments whenever a packet that has been filtered via an ACL is transmitted over an interface.	Existing interface	Standard
vlan-npu	ttl-expired-rx-frames	INT64	Incremental	active	The total number of received frames having an expired Time To Live (TTL).	Increments whenever a packet having an expired TTL is received on an interface.	Existing interface	Standard
vlan-npu	ttl-expired-rx-bytes	INT64	Incremental	active	The total number of received bytes having an expired Time To Live (TTL).	Increments whenever a packet having an expired TTL is received on an interface.	Existing interface	Standard
vlan-npu	flow-lookup-twice-rx-frames	INT64	Incremental	active	The number of frames over which flow lookup happened twice (IPv4 and IPv6).	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	flow-lookup-twice-rx-bytes	INT64	Incremental	active	The number of bytes over which flow lookup happened twice (IPv4 and IPv6).	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	unknown-ipv4-class-rx-frames	INT64	Incremental	active	The number of received IPv4 frames where the class is unknown.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	unknown-ipv4-class-rx-bytes	INT64	Incremental	active	The number of received IPv4 bytes where the class is unknown.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-ip-rx-frames	INT64	Incremental	active	The number of received IP too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-ip-rx-bytes	INT64	Incremental	active	The number of received IP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-icmp-rx-frames	INT64	Incremental	active	The number of received Internet Control Message Protocol (ICMP) too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-icmp-rx-bytes	INT64	Incremental	active	The number of received ICMP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	too-short-icmp-tx-frames	INT64	Incremental	active	The number of transmitted ICMP too short frames.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-icmp-tx-bytes	INT64	Incremental	active	The number of transmitted ICMP too short bytes.	Increments when such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-igmp-rx-frames	INT64	Incremental	active	The number of received Internet Group Management Protocol (IGMP) too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-igmp-rx-bytes	INT64	Incremental	active	The number of received IGMP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-igmp-tx-frames	INT64	Incremental	active	The number of transmitted IGMP too short frames.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-igmp-tx-bytes	INT64	Incremental	active	The number of transmitted IGMP too short bytes.	Increments when such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-tcp-rx-frames	INT64	Incremental	active	The number of received TCP too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-tcp-rx-bytes	INT64	Incremental	active	The number of received TCP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-tcp-tx-frames	INT64	Incremental	active	The number of transmitted TCP too short frames.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-tcp-tx-bytes	INT64	Incremental	active	The number of transmitted TCP too short bytes.	Increments when such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-udp-rx-frames	INT64	Incremental	active	The number of received UDP too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-udp-rx-bytes	INT64	Incremental	active	The number of received UDP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-udp-tx-frames	INT64	Incremental	active	The number of transmitted UDP too short frames.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-udp-tx-bytes	INT64	Incremental	active	The number of transmitted UDP too short bytes.	Increments when such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	too-short-ipip-rx-frames	INT64	Incremental	active	The number of received IP-in-IP (IPIP) too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-ipip-rx-bytes	INT64	Incremental	active	The number of received IPIP too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	too-short-gre-rx-frames	INT64	Incremental	active	The number of received Generic Routing Encapsulation (GRE) too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-gre-rx-bytes	INT64	Incremental	active	The number of received GRE too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	too-short-gre-key-rx-frames	INT64	Incremental	active	The number of received GRE key too short frames.	Increments when such frames are received on an interface.	Existing interface	Standard
vlan-npu	too-short-gre-key-rx-bytes	INT64	Incremental	active	The number of received GRE key too short bytes.	Increments when such bytes are received on an interface.	Existing interface	Standard
vlan-npu	dont-frag-discard-tx-frames	INT64	Incremental	active	The number of transmitted frames having the Don't Fragment Discard tag.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	dont-frag-discard-tx-bytes	INT64	Incremental	active	The number of transmitted bytes having the Don't Fragment Discard tag.	Increments when such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	frag-packets-tx-frames	INT64	Incremental	active	The number of transmitted frames associated with fragmented packets.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	frag-packets-tx-bytes	INT64	Incremental	active	The number of transmitted frames associated with fragmented packets.	Increments when such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	frag-frags-tx-frames	INT64	Incremental	active	The number of transmitted fragment frames in fragmented packets.	Increments whenever such frames are transmitted over an interface.	Existing interface	Standard
vlan-npu	frag-frags-tx-bytes	INT64	Incremental	active	The number of transmitted fragment bytes in fragmented packets.	Increments whenever such bytes are transmitted over an interface.	Existing interface	Standard
vlan-npu	ipv4-vlan-dropped-rx-frames	INT64	Incremental	active	The number of received IPv4 VLAN dropped frames.	Increments whenever such frames are received on an interface.	Existing interface	Standard
vlan-npu	ipv4-vlan-dropped-rx-bytes	INT64	Incremental	active	The number of received IPv4 VLAN dropped bytes.	Increments whenever such bytes are received on an interface.	Existing interface	Standard
vlan-npu	ipsec-natt-keepalive-rx-frames	INT64	Incremental	active	The total number of received frames associated with IPSec Network Address Translation - Traversal (NAT-T) keepalive packets.	Increments whenever a NAT-T keepalive packet is received on an interface.	Existing interface	Standard
vlan-npu	ipsec-natt-keepalive-rx-bytes	INT64	Incremental	active	The total number of received bytes associated with IPSec NAT-T keepalive packets.	Increments whenever a NAT-T keepalive packet is received on an interface.	Existing interface	Standard
vlan-npu	mpls-flow-not-found-rx-frames	INT64	Incremental	active	The total number of received frames for MPLS packets with Flow Not Found indicators.	Increments whenever an MPLS packet with a Flow Not Found indicator is received on an interface.	Existing interface	Standard
vlan-npu	mpls-flow-not-found-rx-bytes	INT64	Incremental	active	The total number of received bytes for MPLS packets with Flow Not Found indicators.	Increments whenever an MPLS packet with a Flow Not Found indicator is received on an interface.	Existing interface	Standard
vlan-npu	mpls-unicast-rx-frames	INT64	Incremental	active	The total number of received frames for MPLS Unicast packets.	Increments whenever an MPLS Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	mpls-unicast-rx-bytes	INT64	Incremental	active	The total number of received bytes for MPLS Unicast packets.	Increments whenever an MPLS Unicast packet is received on an interface.	Existing interface	Standard
vlan-npu	mpls-unicast-tx-frames	INT64	Incremental	active	The total number of transmitted frames for MPLS Unicast packets.	Increments whenever an MPLS Unicast packet is transmitted over an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	mpls-unicast-tx-bytes	INT64	Incremental	active	The total number of transmitted bytes for MPLS Unicast packets.	Increments whenever an MPLS Unicast packet is transmitted over an interface.	Existing interface	Standard
vlan-npu	less-than-17-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing less than 17 bytes.	Increments whenever a packet containing less than 17 bytes is received on an interface.	Existing interface	Standard
vlan-npu	less-than-17-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing less than 17 bytes.	Increments whenever a packet containing less than 17 bytes is received on an interface.	Existing interface	Standard
vlan-npu	less-than-17-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing less than 17 bytes.	Increments whenever a packet containing less than 17 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	less-than-17-tx-btyes	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
vlan-npu	17-to-64-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 17 and 64 bytes.	Increments whenever a packet containing between 17 and 64 bytes is received on an interface.	Existing interface	Standard
vlan-npu	17-to-64-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 17 and 64 bytes.	Increments whenever a packet containing between 17 and 64 bytes is received on an interface.	Existing interface	Standard
vlan-npu	17-to-64-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 17 and 64 bytes.	Increments whenever a packet containing between 17 and 64 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	17-to-64-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 17 and 64 bytes.	Increments whenever a packet containing between 17 and 64 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	65-to-127-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 64 and 127 bytes.	Increments whenever a packet containing between 64 and 127 bytes is received on an interface.	Existing interface	Standard
vlan-npu	65-to-127-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 64 and 127 bytes.	Increments whenever a packet containing between 64 and 127 bytes is received on an interface.	Existing interface	Standard
vlan-npu	65-to-127-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 64 and 127 bytes.	Increments whenever a packet containing between 64 and 127 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	65-to-127-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 64 and 127 bytes.	Increments whenever a packet containing between 64 and 127 bytes is transmitted over an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	128-to-255-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 128 and 255 bytes.	Increments whenever a packet containing between 128 and 255 bytes is received on an interface.	Existing interface	Standard
vlan-npu	128-to-255-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 128 and 255 bytes.	Increments whenever a packet containing between 128 and 255 bytes is received on an interface.	Existing interface	Standard
vlan-npu	128-to-255-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 128 and 255 bytes.	Increments whenever a packet containing between 128 and 255 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	128-to-255-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 128 and 255 bytes.	Increments whenever a packet containing between 128 and 255 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	256-to-511-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 256 and 511 bytes.	Increments whenever a packet containing between 256 and 511 bytes is received on an interface.	Existing interface	Standard
vlan-npu	256-to-511-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 256 and 511 bytes.	Increments whenever a packet containing between 256 and 511 bytes is received on an interface.	Existing interface	Standard
vlan-npu	256-to-511-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 256 and 511 bytes.	Increments whenever a packet containing between 256 and 511 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	256-to-511-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 256 and 511 bytes.	Increments whenever a packet containing between 256 and 511 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	512-to-1023-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 512 and 1023 bytes.	Increments whenever a packet containing between 512 and 1023 bytes is received on an interface.	Existing interface	Standard
vlan-npu	512-to-1023-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 512 and 1023 bytes.	Increments whenever a packet containing between 512 and 1023 bytes is received on an interface.	Existing interface	Standard
vlan-npu	512-to-1023-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 512 and 1023 bytes.	Increments whenever a packet containing between 512 and 1023 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	512-to-1023-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 512 and 1023 bytes.	Increments whenever a packet containing between 512 and 1023 bytes is transmitted over an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	1024-to-2047-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 1024 and 2047 bytes.	Increments whenever a packet containing between 1024 and 2047 bytes is received on an interface.	Existing interface	Standard
vlan-npu	1024-to-2047-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 1024 and 2047 bytes.	Increments whenever a packet containing between 1024 and 2047 bytes is received on an interface.	Existing interface	Standard
vlan-npu	1024-to-2047-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 1024 and 2047 bytes.	Increments whenever a packet containing between 1024 and 2047 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	1024-to-2047-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 1024 and 2047 bytes.	Increments whenever a packet containing between 1024 and 2047 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	2048-to-4095-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 2048 and 4095 bytes.	Increments whenever a packet containing between 2048 and 4095 bytes is received on an interface.	Existing interface	Standard
vlan-npu	2048-to-4095-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 2048 and 4095 bytes.	Increments whenever a packet containing between 2048 and 4095 bytes is received on an interface.	Existing interface	Standard
vlan-npu	2048-to-4095-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 2048 and 4095 bytes.	Increments whenever a packet containing between 2048 and 4095 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	2048-to-4095-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 2048 and 4095 bytes.	Increments whenever a packet containing between 2048 and 4095 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	4096-to-4500-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing between 4096 and 4500 bytes.	Increments whenever a packet containing between 4096 and 4500 bytes is received on an interface.	Existing interface	Standard
vlan-npu	4096-to-4500-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing between 4096 and 4500 bytes.	Increments whenever a packet containing between 4096 and 4500 bytes is received on an interface.	Existing interface	Standard
vlan-npu	4096-to-4500-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing between 4096 and 4500 bytes.	Increments whenever a packet containing between 2048 and 4095 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	4096-to-4500-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing between 4096 and 4500 bytes.	Increments whenever a packet containing between 4096 and 4500 bytes is transmitted over an interface.	Existing interface	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
vlan-npu	greater-than-4500-rx-frames	INT64	Incremental	active	The total number of frames received for packets containing more than 4500 bytes.	Increments whenever a packet containing more than 4500 bytes is received on an interface.	Existing interface	Standard
vlan-npu	greater-than-4500-rx-bytes	INT64	Incremental	active	The total number of bytes received for packets containing more than 4500 bytes.	Increments whenever a packet containing between 4096 and 4500 bytes is received on an interface.	Existing interface	Standard
vlan-npu	greater-than-4500-tx-frames	INT64	Incremental	active	The total number of frames transmitted for packets containing more than 4500 bytes.	Increments whenever a packet containing more than 4095 bytes is transmitted over an interface.	Existing interface	Standard
vlan-npu	greater-than-4500-tx-bytes	INT64	Incremental	active	The total number of bytes transmitted for packets containing more than 4500 bytes.	Increments whenever a packet containing more than 4500 bytes is transmitted over an interface.	Existing interface	Standard
samog	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
samog	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the SAMOG service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
samog	servname	STRING	Primary-key	active	The name of the SAMOG service for which these statistics are being displayed.	Configuration	Per SAMOG Service	Standard
samog	servid	INT32	Primary-key	active	The identification number of the SAMOG service for which these statistics are being displayed. This is an internal reference number.	Generated During System Startup	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-ueactive	INT32	Gauge	active	Total number of active CGW calls.	Incremented whenever a new call is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-ueidle	INT32	Gauge	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-sessstat-totcur-uesetup	INT32	Gauge	active	Total number of CGW calls setup since the chassis reboot.	Incremented whenever a new call is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-uereleased	INT32	Gauge	active	Total number of CGW calls released due to any reason once fully connected.	Incremented whenever a call is release successfully at CGW.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-pdnactive	INT32	Gauge	active	Total number of CGW PDN active.	Incremented whenever a new call is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-pdnsetup	INT32	Gauge	active	Total number of PDN setup on CGW after the chassis reboot.	Incremented whenever a new PDN is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-tot-pdnreleased	INT32	Incremental	active	Total number of PDN connections released.	Increments whenever PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-tot-pdnrejected	INT32	Incremental	active	Total number of PDN connections rejected.	Increments whenever PDN connection is rejected by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-pdn-ipv4	INT32	Gauge	active	Total number of IPv4 PDN connected.	Incremented whenever a IPV4 PDN is connected.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-pdn-ipv6	INT32	Gauge	active	Total number of IPv6 PDN connected.	Incremented whenever a IPV6 pdn is connected.	Per SAMOG Service	Standard
samog	cgw-sessstat-totcur-pdn-ipv4v6	INT32	Gauge	active	Total number of IPv4v6 PDN connected.	Incremented whenever a IPv4V6 pdn is connected.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-pdnsetuptype-ipv4	INT32	Incremental	active	Total number of IPv4 PDN setup.	Incremented whenever a IPV4 pdn is setup. Does not decrease when pdn goes down.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnsetuptype-ipv6	INT32	Incremental	active	Total number of IPv6 PDN setup.	Incremented whenever a IPV6 pdn is setup. Does not decrease when pdn goes down.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnsetuptype-ipv4v6	INT32	Incremental	active	Total number of IPv4V6 pdn setup.	Incremented whenever a IPV4V6 pdn is setup. Does not decrease when pdn goes down.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrel-ipv4	INT32	Incremental	active	Total number of IPv4 PDN released.	Incremented whenever a IPV4 PDN is released.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrel-ipv6	INT32	Incremental	active	Total number of IPv6 PDN released.	Incremented whenever a IPV6 PDN is released.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrel-ipv4v6	INT32	Incremental	active	Total number of IPv4v6 PDN released.	Incremented whenever a IPV4v6 PDN is released.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrelrsn-mag	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-sessstat-pdnrelrsn-pgw	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-sessstat-pdnrelrsn-local	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-sessstat-pdnrelrsn-other	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-sessstat-pdnrej-ipv4	INT32	Incremental	active	Total number of IPv4 PDN rejected.	Incremented whenever a PDN is rejected at SAMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrej-ipv6	INT32	Incremental	active	Total number of IPv6 PDN rejected.	Incremented whenever a ipv6 PDN is rejected at SAMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdnrej-ipv4v6	INT32	Incremental	active	Total number of IPv4v6 pdn rejected.	Incremented whenever a ipv4v6 pdn is rejected at SAMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv1-active	INT32	Gauge	active	Total number of current active GTPv1 PDN connections.	Increments whenever GTPv1 PDN connection is created by SaMOG and decrementes whenever the GTPv1 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv1-setup	INT32	Incremental	active	Total number of GTPv1 PDN connections created.	Increments whenever GTPv1 PDN connection is created by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv1-released	INT32	Incremental	active	Total number of GTPv1 PDN connections released.	Increments whenever GTPv1 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv1-rejected	INT32	Incremental	active	Total number of GTPv1 PDN connections rejected.	Increments whenever GTPv1 PDN connection is rejected by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv2-active	INT32	Gauge	active	Total number of current active GTPv2 PDN connections.	Increments whenever GTPv2 PDN connection is created by SaMOG and Decrementes whenever the GTPv2 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv2-setup	INT32	Incremental	active	Total number of GTPv2 PDN connections created.	Increments whenever GTPv2 PDN connection is created by SaMOG.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-pdns-gtpv2-released	INT32	Incremental	active	Total number of GTPv2 PDN connections released.	Increments whenever GTPv2 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-gtpv2-rejected	INT32	Incremental	active	Total number of GTPv2 PDN connections rejected.	Increments whenever GTPv2 PDN connection is rejected by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-lgw-active	INT32	Gauge	active	Total number of currently active LGW PDN connections.	Increments whenever LGW PDN connection is created by SaMOG and Decrementes whenever the LGW PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-lgw-setup	INT32	Incremental	active	Total number of LGW PDN connections created.	Increments whenever LGW PDN connection is created by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-lgw-released	INT32	Incremental	active	Total number of LGW PDN connections released.	Increments whenever LGW PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-lgw-rejected	INT32	Incremental	active	Total number of LGW PDN connections rejected.	Increments whenever LGW PDN connection is rejected by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-lgw-replaced	INT32	Incremental	active	Total number of LGW PDN connections is moved from post to pre-authentication phase.	Increments whenever LGW PDN connection is moved from post to pre-authentication phase by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-pmip-active	INT32	Gauge	active	Total number of current active S2a PMIPv6 PDN connections.	Increments whenever an S2a PMIPv6 PDN connection is created by SaMOG, and decrementes whenever the S2a PMIPv6 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-pmip-setup	INT32	Incremental	active	Total number of S2a PMIPv6 PDN connections created.	Increments whenever an S2a PMIPv6 PDN connection is created by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-pmip-released	INT32	Incremental	active	Total number of S2a PMIPv6 PDN connections released.	Increments whenever an S2a PMIPv6 PDN connection is released by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-pmip-rejected	INT32	Incremental	active	Total number of S2a PMIPv6 PDN connections rejected.	Increments whenever an S2a PMIPv6 PDN connection is rejected by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-locally-terminated-active	INT32	Gauge	active	Total number of locally offloaded PDN (including pre-authentication) calls that are currently active.	Increments whenever a new locally offloaded PDN call is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-locally-terminated-setup	INT32	Incremental	active	Total number of locally offloaded PDN (including pre-authentication) calls setup on SaMOG after a chassis reboot.	Increments whenever a new locally offloaded PDN call is connected successfully.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-locally-terminated-released	INT32	Incremental	active	Total number of locally offloaded PDN (including pre-authentication) calls released by the SaMOG service.	Increments whenever a locally offloaded PDN session is released by the SaMOG service.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-pdns-locally-terminated-rejected	INT32	Incremental	active	Total number of locally offloaded PDN (including pre-authentication) calls rejected by the SaMOG service.	Increments whenever a locally offloaded PDN session is rejected by the SaMOG service.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-locally-terminated-replaced	INT32	Incremental	active	Total number of locally offloaded PDN calls moved to post authentication by the SaMOG service.	Increments whenever a locally offloaded PDN session is moved to the post-authentication phase SaMOG service.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-mag-ini	INT32	Incremental	active	Total number of PDN connections released by MAG.	Increments whenever PDN connection is released by SaMOG and it is initiated by MAG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-pgw-ini	INT32	Incremental	active	Total number of PDN connections released by PGW.	Increments whenever PDN connection is released by SaMOG and it is initiated by PGW.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-dhcp-ini	INT32	Incremental	active	Total number of PDN connections released by DHCP.	Increments whenever PDN connection is released by SaMOG and it is initiated by DHCP.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-ggsn-ini	INT32	Incremental	active	Total number of PDN connections released by GGSN.	Increments whenever PDN connection is released by SaMOG and it is initiated by GGSN.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-gtpc-path-fail	INT32	Incremental	active	Total number of PDN connections released because of GTPC path failure.	Increments whenever PDN connection is released by SaMOG and it is triggered by GTPC path failure.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-gtpu-path-fail	INT32	Incremental	active	Total number of PDN connections released because of GTPU path failure.	Increments whenever PDN connection is released by SaMOG and it is triggered by GTPU path failure.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-gtpu-error-ind	INT32	Incremental	active	Total number of PDN connections released because of GTPU Error Indication.	Increments whenever PDN connection is released by SaMOG and it is triggered by GTPU Error Indication.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-local	INT32	Incremental	active	Total number of PDN connections released locally.	Increments whenever PDN connection is released locally by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sessstat-pdns-rel-reason-others	INT32	Incremental	active	Total number of PDN connections released by reason undefined.	Increments whenever PDN connection is released by reason undefined.	Per SAMOG Service	Standard
samog	cgw-sessstat-gnu-uplink-pkts	INT64	Incremental	active	Total number of Uplink packets sent on Gn-U interface.	Increments whenever a Uplink data packet is sent on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-uplink-bytes	INT64	Incremental	active	Total number of Uplink data bytes sent on Gn-U interface.	Increments whenever a Uplink data packet is sent on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-uplink-dropped-pkts	INT64	Incremental	active	Total number of Uplink packets dropped on Gn-U interface.	Increments whenever a Uplink data packet is dropped on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-uplink-dropped-bytes	INT64	Incremental	active	Total number of Uplink data bytes dropped on Gn-U Interface.	Increments whenever a Uplink data packet is dropped on Gn-U interface.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-gnu-downlink-pkts	INT64	Incremental	active	Total number of Downlink packets sent on Gn-U Interface.	Increments whenever a Downlink data packet is sent on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-downlink-bytes	INT64	Incremental	active	Total number of Downlink data bytes sent on Gn-U Interface.	Increments whenever a Downlink data packet is sent on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-downlink-dropped-pkts	INT64	Incremental	active	Total number of Downlink packets dropped on Gn-U Interface.	Increments whenever a Downlink data packet is dropped on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-gnu-downlink-dropped-bytes	INT64	Incremental	active	Total number of Downlink data bytes dropped on Gn-U Interface.	Increments whenever a Downlink data packet is dropped on Gn-U interface.	Per SAMOG	Standard
samog	cgw-sessstat-dhcp-disc-handoff-received	INT32	Incremental	active	Total number of DHCP Discover messages received during handoff for an existing DHCP session.	Increments whenever a DHCP Discover message is received by SaMOG during handoff.	Per SAMOG Service	Standard
samog	cgw-sessstat-dhcp-disc-handoff-accepted	INT32	Incremental	active	Total number of DHCP Discover messages accepted during handoff for an existing DHCP session.	Increments whenever a DHCP Discover message is accepted by SaMOG during handoff.	Per SAMOG Service	Standard
samog	cgw-sessstat-dhcp-disc-handoff-denied	INT32	Incremental	active	Total number of DHCP Discover messages denied during handoff for an existing DHCP session.	Increments whenever a DHCP Discover message is denied by SaMOG during handoff.	Per SAMOG Service	Standard
samog	cgw-sessstat-ipv6-router-solicit-rcvd	INT32	Incremental	active	Total number of router solicit messages received.	Whenever receives router solicit message for session	Per Samog Service	Proprietary
samog	cgw-sessstat-ipv6-router-advt-sent	INT32	Incremental	active	Total number of router advertisement messages received.	Whenever sent router advertisement message for session.	Per Samog Service	Proprietary
samog	cgw-sessstat-ipv6-router-solicit-rx-dropped	INT32	Incremental	active	Total number of router solicit messages dropped.	Whenever dropped router solicit message due to some error.	Per Samog Service	Proprietary
samog	cgw-sessstat-ipv6-neighbor-solicit-rcvd	INT32	Incremental	active	Total number of neighbor solicit messages received.	Whenever receives neighbor solicit message for session	Per Samog Service	Proprietary
samog	cgw-sessstat-ipv6-neighbor-advt-sent	INT32	Incremental	active	Total number of neighbor advertisement messages received.	Whenever sent neighbor advertisement message for session.	Per Samog Service	Proprietary
samog	cgw-sessstat-ipv6-neighbor-solicit-rx-dropped	INT32	Incremental	active	Total number of neighbor solicit messages dropped.	Whenever dropped neighbor solicit message due to some error.	Per Samog Service	Proprietary
samog	cgw-sessstat-dedicated-bearer-active	INT32	Incremental	active	Total number of current active dedicated bearers.	Increments whenever the dedicated bearer is created on SAMOG and decrementes whenever the dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-dedicated-bearer-setup	INT32	Incremental	active	Total number of dedicated bearers created on SAMOG.	Increments whenever the dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-dedicated-bearer-released	INT32	Incremental	active	Total number of dedicated bearers released by SAMOG.	Increments whenever the dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-dedicated-bearer-rejected	INT32	Incremental	active	Total number of dedicated bearers rejected by SAMOG.	Increments whenever the dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-qci1-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci1 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci1 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci1-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci1 dedicated bearers on SAMOG.	Increments whenever the qci1 dedicated bearer is created on SAMOG and decrementes whenever the qci1 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci1-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci1 dedicated bearers created on SAMOG.	Increments whenever the qci1 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci1-dedicated-bearer-released	INT32	Incremental	active	Total number of qci1 dedicated bearer released by SAMOG.	Increments whenever the qci1 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci1-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci1 dedicated bearer rejected by SAMOG.	Increments whenever the qci1 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci2-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci2 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci2 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci2-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci2 dedicated bearers on SAMOG.	Increments whenever the qci2 dedicated bearer is created on SAMOG and decrementes whenever the qci2 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci2-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci2 dedicated bearers created on SAMOG.	Increments whenever the qci2 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci2-dedicated-bearer-released	INT32	Incremental	active	Total number of qci2 dedicated bearer released by SAMOG.	Increments whenever the qci2 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci2-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci2 dedicated bearer rejected by SAMOG.	Increments whenever the qci2 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci3-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci3 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci3 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci3-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci3 dedicated bearers on SAMOG.	Increments whenever the qci3 dedicated bearer is created on SAMOG and decrementes whenever the qci3 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci3-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci3 dedicated bearers created on SAMOG.	Increments whenever the qci3 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci3-dedicated-bearer-released	INT32	Incremental	active	Total number of qci3 dedicated bearer released by SAMOG.	Increments whenever the qci3 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-qci3-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci3 dedicated bearer rejected by SAMOG.	Increments whenever the qci3 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci4-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci4 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci4 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci4-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci4 dedicated bearers on SAMOG.	Increments whenever the qci4 dedicated bearer is created on SAMOG and decrementes whenever the qci4 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci4-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci4 dedicated bearers created on SAMOG.	Increments whenever the qci4 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci4-dedicated-bearer-released	INT32	Incremental	active	Total number of qci4 dedicated bearer released by SAMOG.	Increments whenever the qci4 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci4-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci4 dedicated bearer rejected by SAMOG.	Increments whenever the qci4 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci5-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci5 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci5 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci5-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci5 dedicated bearers on SAMOG.	Increments whenever the qci5 dedicated bearer is created on SAMOG and decrementes whenever the qci5 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci5-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci5 dedicated bearers created on SAMOG.	Increments whenever the qci5 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci5-dedicated-bearer-released	INT32	Incremental	active	Total number of qci5 dedicated bearer released by SAMOG.	Increments whenever the qci5 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci5-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci5 dedicated bearer rejected by SAMOG.	Increments whenever the qci5 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci6-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci6 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci6 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci6-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci6 dedicated bearers on SAMOG.	Increments whenever the qci6 dedicated bearer is created on SAMOG and decrementes whenever the qci6 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci6-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci6 dedicated bearers created on SAMOG.	Increments whenever the qci6 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-qci6-dedicated-bearer-released	INT32	Incremental	active	Total number of qci6 dedicated bearer released by SAMOG.	Increments whenever the qci6 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci6-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci6 dedicated bearer rejected by SAMOG.	Increments whenever the qci6 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci7-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci7 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci7 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci7-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci7 dedicated bearers on SAMOG.	Increments whenever the qci7 dedicated bearer is created on SAMOG and decrementes whenever the qci7 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci7-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci7 dedicated bearers created on SAMOG.	Increments whenever the qci7 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci7-dedicated-bearer-released	INT32	Incremental	active	Total number of qci7 dedicated bearer released by SAMOG.	Increments whenever the qci7 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci7-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci7 dedicated bearer rejected by SAMOG.	Increments whenever the qci7 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci8-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci8 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci8 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci8-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci8 dedicated bearers on SAMOG.	Increments whenever the qci8 dedicated bearer is created on SAMOG and decrementes whenever the qci8 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci8-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci8 dedicated bearers created on SAMOG.	Increments whenever the qci8 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci8-dedicated-bearer-released	INT32	Incremental	active	Total number of qci8 dedicated bearer released by SAMOG.	Increments whenever the qci8 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci8-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci8 dedicated bearer rejected by SAMOG.	Increments whenever the qci8 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci9-dedicated-bearer-attempted	INT32	Incremental	active	Total number of qci9 dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an qci9 dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci9-dedicated-bearer-active	INT32	Incremental	active	Total number of current active qci9 dedicated bearers on SAMOG.	Increments whenever the qci9 dedicated bearer is created on SAMOG and decrementes whenever the qci9 dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-qci9-dedicated-bearer-setup	INT32	Incremental	active	Total number of qci9 dedicated bearers created on SAMOG.	Increments whenever the qci9 dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci9-dedicated-bearer-released	INT32	Incremental	active	Total number of qci9 dedicated bearer released by SAMOG.	Increments whenever the qci9 dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-qci9-dedicated-bearer-rejected	INT32	Incremental	active	Total number of qci9 dedicated bearer rejected by SAMOG.	Increments whenever the qci9 dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-non-std-qci-dedicated-bearer-attempted	INT32	Incremental	active	Total number of non standard qci dedicated bearers attempted on SAMOG.	Increments whenever there is an attempt to make an non standard qci dedicated bearer on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-non-std-qci-dedicated-bearer-active	INT32	Incremental	active	Total number of current active non standard qci dedicated bearers on SAMOG.	Increments whenever the non standrad qci dedicated bearer is created on SAMOG and decrementes whenever the non standard qci dedicated bearer is released by SaMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-non-std-qci-dedicated-bearer-setup	INT32	Incremental	active	Total number of non standard qci dedicated bearers created on SAMOG.	Increments whenever the non standard qci dedicated bearer is created on SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-non-std-qci-dedicated-bearer-released	INT32	Incremental	active	Total number of non standard qci dedicated bearer released by SAMOG.	Increments whenever the non standard qci dedicated bearer is released by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-non-std-qci-dedicated-bearer-rejected	INT32	Incremental	active	Total number of non standard qci dedicated bearer rejected by SAMOG.	Increments whenever the non standard qci dedicated bearer is rejected by SAMOG.	Per Samog Service	Proprietary
samog	cgw-sessstat-internal-error	INT64	Incremental	active	Total number of internal errors by the CGW driver while processing PMIPv6 PBUs.	Increments whenever the PMIPv6 PBU received from WLC for which the session is not found for the provided callid at the CGW driver.	Per SAMOG	Standard
samog	cgw-sessstat-cgw-denied	INT64	Incremental	active	Total number of PMIPv6 PBU requests that are denied by the CGW driver.	Increments by the CGW driver whenever the PMIPv6 PBU de-registration requests are received for a session that are in the Disconnecting State (Deletion is triggered towards PGW/GGSN).	Per SAMOG	Standard
samog	cgw-sessstat-update-denied-no-sessmgr	INT32	Incremental	active	Total number of Binding Update Request Denied because no Session Manager is available.	Increments whenever a Binding Update Request is denied by SaMOG because no Session Manager is available to process the Request.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-update-denied-no-memory	INT32	Incremental	active	Total number of Binding Update Request Denied because no Memory is available.	Increments whenever a Binding Update Request is denied by SaMOG because there is no memory available to process the Request.	Per SAMOG Service	Standard
samog	cgw-sessstat-update-denied-sessmgr-rejected	INT32	Incremental	active	Total number of Binding Update Request Denied because of Session Manager Rejection.	Increments whenever a Binding Update Request is denied by SaMOG because it is rejected by the Session Manager.	Per SAMOG Service	Standard
samog	cgw-sessstat-update-denied-input-queue-exceed	INT32	Incremental	active	Total number of Binding Update Request Denied because the input queue size is exceeded.	Increments whenever a Binding Update Request is denied by SaMOG because Session Manager Input queue size is exceeded.	Per SAMOG Service	Standard
samog	cgw-sessstat-update-denied-simul-bind-exceed	INT32	Incremental	active	Total number of Binding Update Request Denied because of number of simultaneous Binding Updates exceeded.	Increments whenever a Binding Update Request is denied by SaMOG because the number of simultaneous binding updates limit reached.	Per SAMOG Service	Standard
samog	cgw-sessstat-update-denied-alloc-fail	INT32	Incremental	active	Total number of Binding Update Request Denied because of address allocation failed.	Increments whenever a Binding Update Request is denied by SaMOG because of address allocation failed.	Per SAMOG Service	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv4-inipv4-pkts	INT64	Incremental	active	Total number of Data Packets received on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data Packet is received on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv6-inipv4-pkts	INT64	Incremental	active	Total number of Data Packets received on EoGRE Tunnel for IPv6 PDN Connections	Increments whenever a data Packet is received on EoGRE tunnel for IPv6 PDN Connection	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv4-inipv4-bytes	INT64	Incremental	active	Total number of Data bytes received on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data Packet is received on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv6-inipv4-bytes	INT64	Incremental	active	Total number of Data bytes received on EoGRE Tunnel for IPv6 PDN Connections	Increments whenever a Data Packet is received on EoGRE tunnel for IPv6 PDN Connection	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv4-inipv6-pkts	INT64	Incremental	active	Total number of Data Packets received on EoGRE Tunnel for IPv6 PDN Connections	Increments whenever a Data Packet is received on EoGRE tunnel for IPv6 PDN Connection	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv6-inipv6-pkts	INT64	Incremental	active	Total number of Data Packets received on EoGRE Tunnel for IPv6 PDN Connections.	Increments whenever a Data Packet is received on EoGRE tunnel for IPv6 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv4-inipv6-bytes	INT64	Incremental	active	Total number of Data bytes received on EoGRE Tunnel for IPv4 Connections.	Increments whenever a Data Packet is received on EoGRE tunnel for IPv4 PDN Connection	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sessstat-eogre-tunnel-data-receive-ipv6-inipv6-bytes	INT64	Incremental	active	Total number of Data bytes received on EoGRE Tunnel for IPv6 PDN Connections.	Increments whenever a Data Packet is received on EoGRE tunnel for IPv6 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-receive-drop-errors	INT32	Incremental	active	Total number of Data Packets dropped on EoGRE Tunnel.	Increments whenever a Data Packet is dropped on EoGRE tunnel.	Per SAMOG Service	Standard
samog	cgw-pre-auth-failure-ip-alloc	INT32	Incremental	active	Total number of session failures during the web authorization pre-authentication phase due to IP allocation failure.	Increments whenever a session fails during the pre-authentication phase due to an IP allocation failure.	Per SAMOG Service	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv4-inipv4-pkts	INT64	Incremental	active	Total number of Data Packets sent on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data Packet is sent on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv6-inipv4-pkts	INT64	Incremental	active	Total number of Data Packets sent on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data Packet is sent on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv4-inipv4-bytes	INT64	Incremental	active	Total number of Data bytes sent on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data bytes is sent on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv6-inipv4-bytes	INT64	Incremental	active	Total number of Data bytes sent on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data bytes is sent on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv4-inipv6-pkts	INT64	Incremental	active	Total number of Data Packets sent on EoGRE Tunnel for IPv4 PDN Connections.	Increments whenever a Data Packet is sent on EoGRE tunnel for IPv4 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv6-inipv6-pkts	INT64	Incremental	active	Total number of Data Packets sent on EoGRE Tunnel for IPv6 PDN Connections.	Increments whenever a Data Packet is sent on EoGRE tunnel for IPv6 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv4-inipv6-bytes	INT64	Incremental	active	Total number of Data bytes sent on EoGRE Tunnel for IPv6 PDN Connections.	Increments whenever a Data bytes is sent on EoGRE tunnel for IPv6 PDN Connection.	Per SAMOG	Standard
samog	cgw-sessstat-eogre-tunnel-data-send-ipv6-inipv6-bytes	INT64	Incremental	active	Total number of Data bytes sent on EoGRE Tunnel for IPv6 PDN Connections.	Increments whenever a Data bytes is sent on EoGRE tunnel for IPv6 PDN Connection.	Per SAMOG	Standard
samog	cgw-s2au-uplink-total-pkts	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-uplink-total-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-uplink-drop-pkts	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-uplink-drop-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-downlink-total-pkts	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-downlink-total-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-downlink-drop-pkts	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2au-downlink-drop-bytes	INT64	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-s2a-gtpu-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets sent on the S2a interface.	Increments whenever an uplink packet is taken from the GRE tunnel and put on the GTPU tunnel.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes sent on the S2a interface.	Increments whenever an uplink byte is taken from the GRE tunnel and put on the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-uplink-drop-pkts	INT64	Incremental	active	Total number of uplink packets dropped on the S2a interface.	Increments whenever an uplink packet is taken from the GRE tunnel and put on the GTPU tunnel, and dropped due to any reason.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-uplink-drop-bytes	INT64	Incremental	active	Total number of uplink bytes dropped on the S2a interface.	Increments whenever an uplink byte is taken from the GRE tunnel and put on the GTPU tunnel, and dropped due to any reason.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets received on the S2a interface.	Increments whenever a downlink packet is received from PGW to SaMOG at the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes received on the S2a interface.	Increments whenever a downlink byte is received from PGW to SaMOG at the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-downlink-drop-pkts	INT64	Incremental	active	Total number of downlink packets dropped on the S2a interface.	Increments whenever a downlink packet is dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-downlink-drop-bytes	INT64	Incremental	active	Total number of downlink bytes dropped on the S2a interface.	Increments whenever a downlink byte is dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets sent on the LGW S2a interface.	Increments whenever an uplink packet is taken from the GRE tunnel and put on the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes sent on the LGW S2a interface.	Increments whenever an uplink byte is taken from the GRE tunnel and put on the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-uplink-drop-pkts	INT64	Incremental	active	Total number of uplink packets dropped on the LGW S2a interface.	Increments whenever an uplink packet is taken from the GRE tunnel and put on the GTPU tunnel, and dropped due to any reason.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-uplink-drop-bytes	INT64	Incremental	active	Total number of uplink bytes dropped on the LGW S2a interface.	Increments whenever an uplink byte is taken from the GRE tunnel and put on the GTPU tunnel, and dropped due to any reason.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets received on the LGW S2a interface.	Increments whenever a downlink packet is received from PGW to SaMOG at the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes received on the LGW S2a interface.	Increments whenever a downlink byte is received from PGW to SaMOG at the GTPU tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-lgw-downlink-drop-pkts	INT64	Incremental	active	Total number of downlink packets dropped on the LGW S2a interface.	Increments whenever a downlink packet is dropped.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-lgw-downlink-drop-bytes	INT64	Incremental	active	Total number of downlink bytes dropped on the LGW S2a interface.	Increments whenever a downlink byte is dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-uplink-total-pkts	INT64	Incremental	active	Total number of IPv4 Payload packets sent over IPv4 GTP tunnel towards PGW.	Increments Whenever IPv4 packets received from USER are forwarded to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-uplink-total-bytes	INT64	Incremental	active	Total number of IPv4 bytes sent over IPv4 GTP tunnel towards PGW.	Increments Whenever IPv4 packets received from USER are forwarded to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped when forwarding to PGW over IPv4 GTP tunnel.	Increments Whenever IPv4 packets received from USER are dropped while forwarding to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped when forwarding to PGW over IPv4 GTP tunnel.	Increments Whenever IPv4 packets received from USER are dropped while forwarding to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv4 packets are received from PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv4 packets are received from PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv4 packets received from PGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv4 packets received from PGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-uplink-total-pkts	INT64	Incremental	active	Total number of IPv6 Payload packets sent over IPv4 GTP tunnel towards PGW.	Increments Whenever IPv6 packets received from USER are forwarded to PGWover IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-uplink-total-bytes	INT64	Incremental	active	Total number of IPv6 Payload bytes sent over IPv4 GTP tunnel towards PGW.	Increments Whenever IPv6 packets received from USER are forwarded to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped when forwarding to PGW over IPv4 GTP tunnel.	Increments Whenever IPv6 packets received from USER are dropped while forwarding to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped when forwarding to PGW over IPv4 GTP tunnel.	Increments Whenever IPv6 packets received from USER are dropped while forwarding to PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv6 packets are received from PGW over IPv4 GTP tunnel.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-ipv6-in-ipv4-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv4 packets are received from PGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv6 packets received from PGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv4 GTP tunnel from PGW.	Increments Whenever IPv6 packets received from PGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-uplink-total-pkts	INT64	Incremental	active	Total number of IPv4 Payload packets sent over IPv6 GTP tunnel towards PGW.	Increments Whenever IPv4 packets received from USER are forwarded to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-uplink-total-bytes	INT64	Incremental	active	Total number of IPv4 bytes sent over IPv6 GTP tunnel towards PGW.	Increments Whenever IPv4 packets received from USER are forwarded to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped when forwarding to PGW over IPv6 GTP tunnel.	Increments Whenever IPv4 packets received from USER are dropped while forwarding to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped when forwarding to PGW over IPv6 GTP tunnel.	Increments Whenever IPv4 packets received from USER are dropped while forwarding to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv4 packets are received from PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv4 packets are received from PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv4 packets received from PGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv4 packets received from PGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-uplink-total-pkts	INT64	Incremental	active	Total number of IPv6 Payload packets sent over IPv6 GTP tunnel towards PGW.	Increments Whenever IPv6 packets received from USER are forwarded to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-uplink-total-bytes	INT64	Incremental	active	Total number of IPv6 bytes sent over IPv6 GTP tunnel towards PGW.	Increments Whenever IPv6 packets received from USER are forwarded to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-ipv6-in-ipv6-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped when forwarding to PGW over IPv6 GTP tunnel.	Increments Whenever IPv6 packets received from USER are dropped while forwarding to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped when forwarding to PGW over IPv6 GTP tunnel.	Increments Whenever IPv6 packets received from USER are dropped while forwarding to PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv6 packets are received from PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv6 packets are received from PGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv6 packets received from PGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped received over IPv6 GTP tunnel from PGW.	Increments Whenever IPv6 packets received from PGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-uplink-total-pkts	INT64	Incremental	active	Total number of IPv4 Payload packets sent over IPv4 GTP tunnel towards LGW.	Increments whenever IPv4 packets received from UE are forwarded to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-uplink-total-bytes	INT64	Incremental	active	Total number of IPv4 bytes sent over IPv4 GTP tunnel towards LGW.	Increments whenever IPv4 packets received from UE are forwarded to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped when forwarding to LGW over IPv4 GTP tunnel.	Increments whenever IPv4 packets received from UE are dropped while forwarding to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped when forwarding to LGW over IPv4 GTP tunnel.	Increments whenever IPv4 packets received from UE are dropped while forwarding to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets received over IPv4 GTP tunnel from LGW.	Increments whenever IPv4 packets are received from LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes received over IPv4 GTP tunnel from LGW.	Increments whenever IPv4 packets are received from LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped received over IPv4 GTP tunnel from LGW.	Increments whenever IPv4 packets received from LGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-ipv4-in-ipv4-lgw-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv4 GTP tunnel from LGW.	Increments whenever IPv4 packets received from LGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-uplink-total-pkts	INT64	Incremental	active	Total number of IPv6 Payload packets sent over IPv4 GTP tunnel towards LGW.	Increments whenever IPv6 packets received from UE are forwarded to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-uplink-total-bytes	INT64	Incremental	active	Total number of IPv6 Payload bytes sent over IPv4 GTP tunnel towards LGW.	Increments whenever IPv6 packets received from UE are forwarded to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped when forwarding to LGW over IPv4 GTP tunnel.	Increments whenever IPv6 packets received from UE are dropped while forwarding to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped when forwarding to LGW over IPv4 GTP tunnel.	Increments whenever IPv6 packets received from UE are dropped while forwarding to LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets received over IPv4 GTP tunnel from LGW.	Increments whenever IPv6 packets are received from LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes received over IPv4 GTP tunnel from LGW.	Increments whenever IPv4 packets are received from LGW over IPv4 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped received over IPv4 GTP tunnel from LGW.	Increments whenever IPv6 packets received from LGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv4-lgw-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv4 GTP tunnel from LGW.	Increments whenever IPv6 packets received from LGW over IPv4 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-uplink-total-pkts	INT64	Incremental	active	Total number of IPv4 Payload packets sent over IPv6 GTP tunnel towards LGW.	Increments whenever IPv4 packets received from UE are forwarded to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-uplink-total-bytes	INT64	Incremental	active	Total number of IPv4 bytes sent over IPv6 GTP tunnel towards LGW.	Increments whenever IPv4 packets received from UE are forwarded to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped when forwarding to LGW over IPv6 GTP tunnel.	Increments whenever IPv4 packets received from UE are dropped while forwarding to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped when forwarding to LGW over IPv6 GTP tunnel.	Increments whenever IPv4 packets received from UE are dropped while forwarding to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets received over IPv6 GTP tunnel from LGW.	Increments whenever IPv4 packets are received from LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes received over IPv6 GTP tunnel from LGW.	Increments whenever IPv4 packets are received from LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv4 Payload packets dropped received over IPv6 GTP tunnel from LGW.	Increments whenever IPv4 packets received from LGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv4-in-ipv6-lgw-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv4 Payload bytes dropped received over IPv6 GTP tunnel from LGW.	Increments whenever IPv4 packets received from LGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-uplink-total-pkts	INT64	Incremental	active	Total number of IPv6 Payload packets sent over IPv6 GTP tunnel towards LGW.	Increments whenever IPv6 packets received from UE are forwarded to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-uplink-total-bytes	INT64	Incremental	active	Total number of IPv6 bytes sent over IPv6 GTP tunnel towards LGW.	Increments whenever IPv6 packets received from UE are forwarded to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-uplink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped when forwarding to LGW over IPv6 GTP tunnel.	Increments whenever IPv6 packets received from UE are dropped while forwarding to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-uplink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped when forwarding to LGW over IPv6 GTP tunnel.	Increments whenever IPv6 packets received from UE are dropped while forwarding to LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-downlink-total-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets received over IPv6 GTP tunnel from LGW.	Increments whenever IPv6 packets are received from LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-downlink-total-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes received over IPv6 GTP tunnel from LGW.	Increments whenever IPv6 packets are received from LGW over IPv6 GTP tunnel.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-downlink-drop-pkts	INT64	Incremental	active	Total Number of IPv6 Payload packets dropped received over IPv6 GTP tunnel from LGW.	Increments whenever IPv6 packets received from LGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-gtpu-ipv6-in-ipv6-lgw-downlink-drop-bytes	INT64	Incremental	active	Total Number of IPv6 Payload bytes dropped received over IPv6 GTP tunnel from LGW.	Increments whenever IPv6 packets received from LGW over IPv6 GTP tunnel are dropped.	Per SAMOG	Standard
samog	cgw-s2a-pmip-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets that are sent on the S2a PMIPv6 interface.	Increments whenever an uplink packets are processed and encapsulated with the S2a PMIPv6 GRE tunnel.	Per SAMOG	Standard
samog	cgw-s2a-pmip-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes sent on the S2a PMIPv6 interface.	Increments whenever uplink bytes are processed and encapsulated with the S2a PMIPv6 GRE tunnel.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-s2a-pmip-uplink-drop-pkts	INT64	Incremental	active	Total number of uplink packets dropped on the S2a PMIPv6 interface.	Increments whenever encapsulated S2a PMIPv6 packets are dropped after processing the uplink packets from the user.	Per SAMOG	Standard
samog	cgw-s2a-pmip-uplink-drop-bytes	INT64	Incremental	active	Total number of uplink bytes dropped on the S2a PMIPv6 interface.	Increments whenever encapsulated S2a PMIPv6 bytes are dropped after processing the uplink packet from the user.	Per SAMOG	Standard
samog	cgw-s2a-pmip-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets received on the S2a PMIPv6 interface.	Increments whenever a downlink packet is received from PGW to SaMOG at the S2a PMIPv6 GRE tunnel.	Per SAMOG	Standard
samog	cgw-s2a-pmip-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes received on the S2a PMIPv6 interface.	Increments whenever a downlink byte is received from PGW to SaMOG at the S2a PMIPv6 GRE Tunnel.	Per SAMOG	Standard
samog	cgw-s2a-pmip-downlink-drop-pkts	INT64	Incremental	active	Total number of downlink packets dropped on the S2a PMIPv6 interface.	Increments whenever SaMOG is unable to process received packets from PGW over the S2a PMIPv6 GRE Tunnel due to internal errors.	Per SAMOG	Standard
samog	cgw-s2a-pmip-downlink-drop-bytes	INT64	Incremental	active	Total number of downlink bytes dropped on the S2a PMIPv6 interface.	Increments whenever SaMOG is unable to process received bytes from PGW over the S2a PMIPv6 GRE Tunnel due to internal errors.	Per SAMOG	Standard
samog	cgw-locally-terminated-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG successfully processes the uplink packet received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG successfully process s the uplink bytes received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-uplink-drop-pkts	INT64	Incremental	active	Total number of uplink packets recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG is unable to process the uplink packet received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-uplink-drop-bytes	INT64	Incremental	active	Total number of uplink bytes recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG is unable to process the uplink byte received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-locally-terminated-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG successfully process the downlink packet from ISP received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG successfully processes the downlink bytes received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-downlink-drop-pkts	INT64	Incremental	active	Total number of downlink packets recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG is unable to process the downlink packet received for an LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow session.	Per SAMOG	Standard
samog	cgw-locally-terminated-downlink-drop-bytes	INT64	Incremental	active	Total number of downlink bytes recieved for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Increments whenever SaMOG is unable to process the downlink bytes received for LBO Basic, Web-Auth Pre-auth Phase, or LBO Flow sessions.	Not Defined	Standard
samog	cgw-ipv4pdn-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets which are sent for IPV4 PDN.	Whenever uplink byte is taken from GRE tunnel and put on GTPU tunnel for IPv4 PDN.	Per SAMOG	Standard
samog	cgw-ipv4pdn-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes which are sent for IPv4 PDN.	Whenever uplink packet is taken from GRE tunnel and put on GTPU tunnel for IPv4 PDN.	Per SAMOG	Standard
samog	cgw-ipv4pdn-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets which are sent for IPV4 PDN.	Whenever uplink byte is taken from GTPU tunnel and put on GRE tunnel for IPv4 PDN.	Per SAMOG	Standard
samog	cgw-ipv4pdn-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes which are sent for IPv4 PDN.	Whenever uplink packet is taken from GTPU tunnel and put on GRE tunnel for IPv4 PDN.	Per SAMOG	Standard
samog	cgw-ipv6pdn-uplink-total-pkts	INT64	Incremental	active	Total number of uplink packets which are sent for IPV6 PDN.	Whenever uplink byte is taken from GRE tunnel and put on GTPU tunnel for IPv6 PDN.	Per SAMOG	Standard
samog	cgw-ipv6pdn-uplink-total-bytes	INT64	Incremental	active	Total number of uplink bytes which are sent for IPv6 PDN.	Whenever uplink packet is taken from GRE tunnel and put on GTPU tunnel for IPv6 PDN.	Per SAMOG	Standard
samog	cgw-ipv6pdn-downlink-total-pkts	INT64	Incremental	active	Total number of downlink packets which are sent for IPV6 PDN.	Whenever uplink byte is taken from GTPU tunnel and put on GRE tunnel for IPv6 PDN.	Per SAMOG	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-ipv6pdn-downlink-total-bytes	INT64	Incremental	active	Total number of downlink bytes which are sent for IPv4 PDN.	Whenever uplink packet is taken from GTPU tunnel and put on GRE tunnel for IPv6 PDN.	Per SAMOG	Standard
samog	cgw-ipv4v6-pdn-ipv4-uplink-total-pkts	INT64	Incremental	active	Total number of uplink ipv4 packets which are sent forIPV4V6 PDN.	Whenever uplink ipv4 pkts is taken from GRE tunnel andput on tunnel or internet for IPv4v6 PDN	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv4-uplink-total-bytes	INT64	Incremental	active	Total number of uplink ipv4 bytes which are sent for IPV4V6 PDN.	Whenever uplink ipv4 bytes is taken from GRE tunnel and put on tunnel or internet for IPv4v6 PDN	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv4-downlink-total-pkts	INT64	Incremental	active	Total number of ipv4 downlink packets which are sent for IPV4V6 PDN.	Whenever ipv4 downlink packet is taken from GTPU tunnel or internet andput on GRE tunnel for IPv4v6 PDN.	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv4-downlink-total-bytes	INT64	Incremental	active	Total number of ipv4 downlink bytes which are sent for IPV4V6 PDN.	Whenever ipv4 downlink bytes is taken from GTPU tunnel or internet and put on GRE tunnel for IPv4v6 PDN	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv6-uplink-total-pkts	INT64	Incremental	active	Total number of uplink ipv6 packets which are sent for IPV4V6 PDN	Whenever uplink ipv6 pkts is taken from GRE tunnel and put on tunnel or internet for IPv4v6 PDN	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv6-uplink-total-bytes	INT64	Incremental	active	Total number of uplink ipv6 bytes which are sent for IPV4V6 PDN.	Whenever uplink ipv6 bytes is taken from GRE tunnel and put on tunnel or internet for IPv4v6 PDN	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv6-downlink-total-pkts	INT64	Incremental	active	Total number of ipv6 downlink packets which are sent for IPV4V6 PDN.	Whenever ipv6 downlink packet is taken from GTPU tunnel or internet and put on GRE tunnel for IPv4v6 PDN.	Per Samog	Proprietary
samog	cgw-ipv4v6-pdn-ipv6-downlink-total-bytes	INT64	Incremental	active	Total number of ipv6 downlink bytes which are sent for IPV4V6 PDN.	Whenever ipv6 downlink bytes is taken from GTPU tunnel or internet and put on GRE tunnel for IPv4v6 PDN.	Per Samog	Proprietary
samog	cgw-mipa-authen-attempted	INT32	Incremental	active	Total number sessions for MIP authentication attempts.	Increments whenever PMIPv6 PBU is received to create SaMOG Session.	Per SAMOG Service	Standard
samog	cgw-mipa-authen-success	INT32	Incremental	active	Total number of successful MIP authentication sessions.	Increments whenever PMIPv6 PBU are successfully processed to create SaMOG Session.	Per SAMOG Service	Standard
samog	cgw-mipa-authen-total-failure	INT32	Incremental	active	Total number of MIP authentication failures.	Increments whenever PMIPv6 PBU are failed to process.	Per SAMOG Service	Standard
samog	cgw-mipa-authen-actual-failure	INT32	Incremental	active	Total number of actual MIP Authentication failures.	Increments whenever SaMOG failed to process PMIPv6 PBU.	Per SAMOG Service	Standard
samog	cgw-mipa-authen-misc-failure	INT32	Incremental	active	Total number of Miscellaneous MIP Authentication failures.	Increments whenever SaMOG failed to process PMIPv6 PBU.	Per SAMOG Service	Standard
samog	cgw-binding-update-rcv-total-received	INT32	Incremental	active	Total number of PMIPv6 PBUs received.	Increments whenever PMIPv6 PBU is received by SaMOG.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-binding-update-rcv-total-accepted	INT32	Incremental	active	Total number of PMIPv6 PBUs accepted.	Increments whenever PMIPv6 PBU is accepted by SaMOG.	Per SAMOG Service	Standard
samog	cgw-binding-update-rcv-total-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs denied/failed during processing.	Increments whenever PMIPv6 PBU received by SaMOG failed during processing.	Per SAMOG Service	Standard
samog	cgw-binding-update-rcv-total-discarded	INT32	Incremental	active	Total number of PMIPv6 PBUs discarded or dropped.	Increments whenever PMIPv6 PBU received by SaMOG is dropped.	Per SAMOG Service	Standard
samog	cgw-binding-update-init-req-total-received	INT32	Incremental	active	Total number of PMIPv6 PBUs received for initial create.	Increments whenever PMIPv6 PBU is received by SaMOG for initial create.	Per SAMOG Service	Standard
samog	cgw-binding-update-init-req-total-accepted	INT32	Incremental	active	Total number of PMIPv6 PBUs for initial create accepted.	Increments whenever PMIPv6 PBU is accepted by SaMOG for initial create.	Per SAMOG Service	Standard
samog	cgw-binding-update-init-req-total-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs for initial create denied or failed during processing.	Increments whenever PMIPv6 PBU received by SaMOG for initial create fails during processing.	Per SAMOG Service	Standard
samog	cgw-binding-update-refresh-req-total-received	INT32	Incremental	active	Total number of PMIPv6 PBUs for renew.	Increments whenever PMIPv6 PBU is received by SaMOG for renew.	Per SAMOG Service	Standard
samog	cgw-binding-update-refresh-req-total-accepted	INT32	Incremental	active	Total number of PMIPv6 PBUs for renew accepted.	Increments whenever PMIPv6 PBU is accepted by SaMOG for renew.	Per SAMOG Service	Standard
samog	cgw-binding-update-refresh-req-total-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs for renew denied or failed during processing.	Increments whenever PMIPv6 PBU received by SaMOG for renew fails during processing.	Per SAMOG Service	Standard
samog	cgw-binding-update-dereg-req-total-received	INT32	Incremental	active	Total number of PMIPv6 PBUs received for Deregistration.	Increments whenever PMIPv6 PBU is received by SaMOG for deregistration.	Per SAMOG Service	Standard
samog	cgw-binding-update-dereg-req-total-accepted	INT32	Incremental	active	Total number of PMIPv6 PBUs for Deregistration accepted.	Increments whenever PMIPv6 PBU is accepted by SaMOG for deregistration.	Per SAMOG Service	Standard
samog	cgw-binding-update-dereg-req-total-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs for deregistration denied.	Increments whenever PMIPv6 PBU received by SaMOG for deregistration denied during processing.	Per SAMOG Service	Standard
samog	cgw-binding-update-handoff-req-total-received	INT32	Incremental	active	Total number of PMIPv6 PBUs received for handoff for an existing PMIP session.	Increments whenever PMIPv6 PBU is received by SaMOG for Handoff.	Per SAMOG Service	Standard
samog	cgw-binding-update-handoff-req-total-accepted	INT32	Incremental	active	Total number of PMIPv6 PBUs for Handoff accepted for an existing PMIP session.	Increments whenever PMIPv6 PBU is accepted by SaMOG for handoff.	Per SAMOG Service	Standard
samog	cgw-binding-update-handoff-req-total-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs for handoff denied for an existing PMIP session.	Increments whenever PMIPv6 PBU received by SaMOG for handoff denied during processing.	Per SAMOG Service	Standard
samog	cgw-binding-ack-sent-total	INT32	Incremental	active	Total number of PMIPv6 PBAs sent.	Increments whenever PMIPv6 PBA is sent by SaMOG.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-binding-ack-sent-accepted-reg	INT32	Incremental	active	Total number of PMIPv6 PBAs sent accepting registrations and renew.	Increments whenever PMIPv6 PBA is sent by SaMOG accepting registrations and renew.	Per SAMOG Service	Standard
samog	cgw-binding-ack-sent-accepted-dereg	INT32	Incremental	active	Total number of PMIPv6 Deregistration PBUs accepted sending PBAs.	Increments whenever PMIPv6 PBA is sent by SaMOG accepting Deregistrations.	Per SAMOG Service	Standard
samog	cgw-binding-ack-sent-accepted-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs denied sending PBAs.	Increments whenever PMIPv6 PBA is sent by SaMOG denying PBUs.	Per SAMOG Service	Standard
samog	cgw-binding-ack-sent-send-error	INT32	Incremental	active	Total number of PMIPv6 PBAs failed to send.	Increments whenever PMIPv6 PBA is failed to be sent by SaMOG.	Per SAMOG Service	Standard
samog	cgw-binding-udr-insuff-res	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected with insufficient resources.	Increments whenever PMIPv6 PBU is rejected by SaMOG with insufficient resources error reason.	Per SAMOG Service	Standard
samog	cgw-binding-udr-mismatch-id	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for mismatch in ID.	Increments whenever PMIPv6 PBU is rejected by SaMOG ID mismatch reason.	Per SAMOG Service	Standard
samog	cgw-binding-udr-mn-auth-fail	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for MN Authentication failure.	Increments whenever PMIPv6 PBU is rejected for MN Authentication failure.	Per SAMOG Service	Standard
samog	cgw-binding-udr-admin-prohibit	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for Administratively Prohibited reason.	Increments whenever PMIPv6 PBU is rejected for Administratively Prohibited reason (License limit etc).	Per SAMOG Service	Standard
samog	cgw-binding-udr-msg-id-req	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for Message ID Required.	Increments whenever PMIPv6 PBU is rejected by SaMOG when replay protection message id is missing.	Per SAMOG Service	Standard
samog	cgw-binding-udr-dad-failure	INT32	Incremental	active	: Total number of PMIPv6 PBUs rejected for requested Home Address allocation failure.	Increments whenever PMIPv6 PBU is rejected by SaMOG when requested Home Address allocation fails under static address allocation.	Per SAMOG Service	Standard
samog	cgw-binding-udr-not-home-subnet	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for address allocation failure from address pool.	Increments whenever PMIPv6 PBU is rejected by SaMOG when address allocation for the user fails from address pool.	Per SAMOG Service	Standard
samog	cgw-binding-udr-seq-out-windown	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for incorrect sequence number.	: Increments whenever PMIPv6 PBU is rejected by SaMOG when sequence number received in PBU is incorrect.	Per SAMOG Service	Standard
samog	cgw-binding-udr-reg-type-change-disallow	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for renews.	Increments whenever PMIPv6 PBU is rejected by SaMOG when renews are rejected for the sessions.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-binding-udr-unspecific-reason	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for other reasons.	Increments whenever PMIPv6 PBU is rejected by SaMOG when PBU is rejected for other than specified reasons.	Per SAMOG Service	Standard
samog	cgw-binding-udr-service-auth-fail	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected for authorization failure.	Increments whenever PMIPv6 PBU is rejected by SaMOG when PBU is rejected for authorization failures like unknown APN etc.	Per SAMOG Service	Standard
samog	cgw-binding-udr-proxy-reg-disable	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when proxy registrations are not enabled.	Increments whenever PMIPv6 PBU is rejected by SaMOG when proxy registrations are not enabled.	Per SAMOG Service	Standard
samog	cgw-binding-udr-timestamp-mismatch	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when timestamp in PBU is incorrect.	Increments whenever PMIPv6 PBU is rejected by SaMOG when the timestamp in PBU is in future and falls out of bounds of tolerance.	Per SAMOG Service	Standard
samog	cgw-binding-udr-timestamp-lower	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when timestamp in PBU is in past.	Increments whenever PMIPv6 PBU is rejected by SaMOG when the timestamp in PBU is in past and falls out of bounds of tolerance.	Per SAMOG Service	Standard
samog	cgw-binding-udr-missing-minid-opt	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when MN NAI Extension is missing.	Increments whenever PMIPv6 PBU is rejected by SaMOG when MN NAI extension is mandated and is missing in PBU.	Per SAMOG Service	Standard
samog	cgw-binding-udr-missing-hnp-opt	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when Home Network Prefix Extension is missing.	: Increments whenever PMIPv6 PBU is rejected by SaMOG when Home Network Prefix extension is missing in PBU.	Per SAMOG Service	Standard
samog	cgw-binding-udr-missing-tec-opt	INT32	Incremental	active	: Total number of PMIPv6 PBUs rejected when Access Tech Type Extension is missing.	Increments whenever PMIPv6 PBU is rejected by SaMOG when Access Tech Type extension is missing in PBU.	Per SAMOG Service	Standard
samog	cgw-binding-udr-handoff-ind-opt	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when Handoff Indicator is missing.	Increments whenever PMIPv6 PBU is rejected by SaMOG when Handoff Indicator is missing in PBU.	Per SAMOG Service	Standard
samog	cgw-binding-udr-hnp-not-authorize	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when Requested Home Address Prefix is not authorized.	: Increments whenever PMIPv6 PBU is rejected by SaMOG when Requested Home Address Prefix is not authorized for allocation.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-binding-udr-no-lma-for-mobile	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when LMA for Mobile is incorrect.	Increments whenever PMIPv6 PBU is rejected by SaMOG when LMA for Mobile is incorrect.	Per SAMOG Service	Standard
samog	cgw-binding-udr-no-auth-for-mobile	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when Proxy registrations are not allowed.	Increments whenever PMIPv6 PBU is rejected by SaMOG when MAG is not allowed for Proxy registrations.	Per SAMOG Service	Standard
samog	cgw-binding-udr-bce-prefix-mismatch	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when requested Prefix session is not found.	Increments whenever PMIPv6 PBU is rejected by SaMOG when requested Binding Cache Entry Prefix session is not found.	Per SAMOG Service	Standard
samog	cgw-binding-udr-gre-key-opt-req	INT32	Incremental	active	: Total number of PMIPv6 PBUs rejected when GRE key option is not found.	Increments whenever PMIPv6 PBU is rejected by SaMOG when GRE key option is missing.	Per SAMOG Service	Standard
samog	cgw-binding-udr-mcoa-unknown-coa	INT32	Incremental	active	Total number of PMIPv6 PBUs rejected when Care of Address is incorrect.	Increments whenever PMIPv6 PBU is rejected by SaMOG when Care of Address is incorrect.	Per SAMOG Service	Standard
samog	cgw-update-denied-irr-no-sess-mgr	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with no session manager.	Increments whenever PMIPv6 PBU is rejected as there is no session manager found and SaMOG will send PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard
samog	cgw-update-denied-irr-no-memory	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with no memory.	Increments whenever PMIPv6 PBU is received as there is no memory available to process and SaMOG will send PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard
samog	cgw-update-denied-irr-sess-mgr-rej	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with session manager rejected.	Increments whenever PMIPv6 PBU is rejected as HAMgr is unable to process further with selected SessMgr and SaMOG will send PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard
samog	cgw-update-denied-irr-iq-exceeded	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with input queue exceeded.	Increments whenever PMIPv6 PBU is rejected as HAMgr input queue is exceeded for selected SessMgr and SaMOG will send PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard
samog	cgw-update-denied-simui-bind-exceed	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with simultaneous binding exceeded.	Increments whenever PMIPv6 PBU is rejected as the simultaneous bindings are exceeded on SaMOG and will respond back with PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-update-denied-irr-addr-alloc-failed	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with address allocation failed.	Increments whenever PMIPv6 PBU is rejected as static address allocation failed and SaMOG will send PMIPv6 PBA with an Insufficient resources status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-mnaaa-auth-opt-miss	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to MN AAA Authentication mobility option missing.	Increments whenever PMIPv6 PBU is rejected as there is no MN-AAA Authentication mobility option and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-hbit-not-set	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to H (Home Registration)-Bit is not set.	Increments whenever PMIPv6 PBU is received with H-Bit is not set in Mobility Header and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-invalid-mnaaa-opt	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to invalid MN-AAA Authentication mobility option.	Increments whenever PMIPv6 PBU is rejected as it receives with invalid MN-AAA Authentication SPI value and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	mnaaa-opt	INT32	Incremental	active	AAA Authentication mobility option.	Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-invalid-mnha-opt-spi	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to invalid MN-HA Authentication mobility option.	Increments whenever PMIPv6 PBU is rejected as it receives with invalid MN-HA Authentication SPI value and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-cong-cont-denied	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to overload congestion control.	: Increments whenever PMIPv6 PBU is rejected due to overload congestion control and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-policy-rejected	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied due to policy rejection.	Increments whenever PMIPv6 PBU is rejected due service policy and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-hoa-not-auth	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied as Home Address is not authorized.	Increments whenever PMIPv6 PBU is rejected as Home Address option value is not authorized and SaMOG will send PMIPv6 PBA with a Not Authorized for Home Network Prefix (155) status.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-update-denied-apr-no-permission	INT32	Incremental	active	Total number of PMIPv6 PBUs are denied with no permission.	: Increments whenever PMIPv6 PBU is rejected as there is no permission to process the request and SaMOG will send PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-apr-bad-request	INT32	Incremental	active	Total number of PMIPv6 PBUs denied due to bad request.	Increments whenever received PMIPv6 PBU is a bad request and SaMOG will send back PMIPv6 PBA with an Admin Prohibited status.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-cong-disc	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded due to overload congestion.	Increments whenever PMIPv6 PBU is discarded due to overload congestion.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-checksum-error	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded due to checksum errors.	: Increments whenever PMIPv6 PBU is discarded due to MIPv6 Header Checksum validation error.	Per SAMOG Service	Standard
samog	cgw-update-denied-drinit-auth-pend	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded due to initial authentication pending.	Increments whenever PMIPv6 PBU is discarded as initial authentication pending for earlier received requests.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-sess-not-found	INT32	Incremental	active	Total number of PMIPv6 PBU denied and discarded due to session not found.	Increments whenever PMIPv6 PBU is discarded as there is no session exist for received parameters.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-hamgr-not-ready	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded as HAMgr is not ready.	Increments whenever PMIPv6 PBU is discarded by SaMOG as the HAMgr is not ready to process the request.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-decode-failure	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded as failed to decode.	Increments whenever SaMOG is failed to decode received PMIPv6 PBU.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-invalid-buff-len	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded due to invalid buffer length.	Increments whenever PMIPv6 PBU received with invalid PMIPv6 header length and unable to decode the mobility options.	Per SAMOG Service	Standard
samog	cgw-update-denied-dr-revocation-pend	INT32	Incremental	active	Total number of PMIPv6 PBUs are discarded due to revocation pending for the session.	Increments whenever PMIPv6 PBU is received for a SaMOG session which is waiting on revocation acknowledgment.	Per SAMOG Service	Standard
samog	cgw-binding-revocation-sent	INT32	Incremental	active	Total number of PMIPv6 Binding Revocations sent.	Increments whenever PMIPv6 Binding Revocation message is sent by SaMOG.	Per SAMOG Service	Standard
samog	cgw-binding-revocation-retries-sent	INT32	Incremental	active	Total number of PMIPv6 Binding Revocation retries sent.	Increments whenever PMIPv6 Binding Revocation message is retried by SaMOG.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-binding-revocation-ack-rcvd	INT32	Incremental	active	Total number of PMIPv6 Binding Revocation Ack Messages received.	Increments whenever PMIPv6 Binding Revocation Ack message is received by SaMOG.	Per SAMOG Service	Standard
samog	cgw-binding-revocation-not-ack	INT32	Incremental	active	Total number of PMIPv6 Binding Revocation Ack Timeouts.	Increments whenever PMIPv6 Binding Revocation Ack message is not received by SaMOG and Binding Revocation is retried.	Per SAMOG Service	Standard
samog	cgw-binding-revocation-received	INT32	Incremental	active	Total number of PMIPv6 Binding Revocations received.	Increments whenever PMIPv6 Binding Revocation message is received by SaMOG.	Per SAMOG Service	Standard
samog	cgw-binding-revocation-ack-sent	INT32	Incremental	active	Total number of PMIPv6 Binding Revocation Ack sent.	Increments whenever PMIPv6 Binding Revocation Ack message is sent by SaMOG.	Per SAMOG Service	Standard
samog	cgw-sent-rtr-unspecified	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Unspecified (0).	Increments when Binding Revocation Indication(BRI) is sent with Revocation Trigger Reason Unspecified (0).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-admin-reasons	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Administrative Reason (1).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Administrative Reason (1).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-inter-mag-handoff-att	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Inter-MAG Handover - same Access Type (2).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Inter-MAG Handover - same Access Type (2).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-inter-mag-unknown-handoff	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Inter-MAG Handover - Unknown (4).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Inter-MAG Handover - Unknown (4).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-inter-mag-handoff-diff-att	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Inter-MAG Handover - different Access Type (3).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Inter-MAG Handover - different Access Type (3).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-per-peer-policy	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Per-Peer Policy (128).	Increments when Binding Revocation Indication(BRI) is sent with Revocation Trigger Reason Per-Peer Policy (128).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-revoke-node-local-policy	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Revoking Mobility Node Local Policy (129).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Revoking Mobility Node Local Policy (129).	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-sent-rtr-user-init-sess-term	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason User-Initiated Session(s) Termination (5).	Increments when Binding Revocation Indication(BRI) is sent with Revocation Trigger Reason User-Initiated Session(s) Termination (5).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-access-nw-sess-term	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Access Network Session(s) Termination (6).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Access Network Session(s) Termination (6).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-ofs-bce-state	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason Possible Out-of-Sync BCE State (7).	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason Possible Out-of-Sync BCE State (7).	Per SAMOG Service	Standard
samog	cgw-sent-rtr-unknown	INT32	Incremental	active	Total number of Binding Revocation Indications (BRI) sent with Revocation Trigger Reason other than defined values.	Increments when Binding Revocation Indication (BRI) is sent with Revocation Trigger Reason other than defined values.	Per SAMOG Service	Standard
samog	cgw-rras-success	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as success (0).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as success (0).	Per SAMOG Service	Standard
samog	cgw-rras-partial-success	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as partial success (1).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as partial success (1).	Per SAMOG Service	Standard
samog	cgw-rras-binding-not-exist	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Binding Does NOT Exist (128).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Binding Does NOT Exist (128).	Per SAMOG Service	Standard
samog	cgw-rras-noipv4-hoa-bind	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as IPv4 Home Address Option Required (129).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as IPv4 Home Address Option Required (129).	Per SAMOG Service	Standard
samog	cgw-rras-global-revok-not-auth	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Global Revocation NOT Authorized (130).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Global Revocation NOT Authorized (130).	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-rras-revoc-mn-id-req	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Revoked Mobile Nodes Identity Required (131).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Revoked Mobile Nodes Identity Required (131).	Per SAMOG Service	Standard
samog	cgw-rras-revoc-failed-mn-att	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Revocation Failed - MN is Attached (132).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Revocation Failed - MN is Attached (132).	Per SAMOG Service	Standard
samog	cgw-rras-trigger-not-support	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Revocation Trigger NOT Supported (133).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Revocation Trigger NOT Supported (133).	Per SAMOG Service	Standard
samog	cgw-rras-proxy-bind-rev-not-supp	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Proxy Binding Revocation NOT Supported (135).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Proxy Binding Revocation NOT Supported (135).	Per SAMOG Service	Standard
samog	cgw-rras-revoc-func-not-supp	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code as Revocation Function NOT Supported (134).	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code as Revocation Function NOT Supported (134).	Per SAMOG Service	Standard
samog	cgw-rras-unknown	INT32	Incremental	active	Total number of Binding Revocation Acknowledgements (BRA) received with Status Code other than defined values.	Increments when Binding Revocation Acknowledgements (BRA) is received with Status Code other than defined values .	Per SAMOG Service	Standard
samog	cgw-brad-total	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded.	Per SAMOG Service	Standard
samog	cgw-brad-sess-not-found	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to corresponding Session Not Found for the BRA.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Session Not Found.	Per SAMOG Service	Standard
samog	cgw-brad-badly-formed-req	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to Badly Formed message.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Badly Formed message.	Per SAMOG Service	Standard
samog	cgw-brad-decode-error	INT32	Incremental	active	: Total number of received Binding Revocation Acknowledgements (BRA) discarded due to Decode failure.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Decode failure.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-brad-checksum-error	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to Checksum Error.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Checksum Error.	Per SAMOG Service	Standard
samog	cgw-brad-invalid-msg-error	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to matching revocation request not found.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to matching request not found.	Per SAMOG Service	Standard
samog	cgw-brad-invalid-msg-type	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to Invalid Message Type.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Invalid Message Type.	Per SAMOG Service	Standard
samog	cgw-brad-hamgr-not-ready	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to HAMGR Not Ready to process requests (recovering).	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded since HAMGR is Not Ready to process requests (recovering).	Per SAMOG Service	Standard
samog	cgw-brad-invalid-buff-len	INT32	Incremental	active	Total number of received Binding Revocation Acknowledgements (BRA) discarded due to Invalid Buffer Length found while decoding the message.	Increments when a received Binding Revocation Acknowledgement (BRA) is discarded due to Invalid Buffer Length found while decoding the message.	Per SAMOG Service	Standard
samog	cgw-tdr-ipv4greipv6-pkts	INT32	Incremental	active	Total number of IPv4 data packets received on IPv6 GRE tunnel.	Increments when a IPv4 data packet is received on IPv6 GRE tunnel.	Per SAMOG Service	Standard
samog	cgw-tdr-ipv6greipv6-pkts	INT32	Incremental	active	Total number of IPv6 data packets received on IPv6 GRE tunnel.	Increments when a IPv6 data packet is received on IPv6 GRE tunnel.	Per SAMOG Service	Standard
samog	cgw-tdr-ipv6greipv4-pkts	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tdr-ipv4greipv4-pkts	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tdr-ipv4greipv6-bytes	INT64	Incremental	active	Total bytes of IPv4 data received on IPv6 GRE tunnel.	Increments when a IPv4 data packet is received on IPv6 GRE tunnel.	Per SAMOG	Standard
samog	cgw-tdr-ipv6greipv6-bytes	INT64	Incremental	active	Total bytes of IPv6 data received on IPv6 GRE tunnel.	Increments when a IPv6 data packet is received on IPv6 GRE tunnel.	Per SAMOG	Standard
samog	cgw-tdr-ipv6greipv4-bytes	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tdr-ipv4greipv4-bytes	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tdr-proto-type-error	INT32	Incremental	active	Total number of data packets received on IPv6 GRE tunnel with invalid next header.	Increments when a data packet is received on IPv6 GRE tunnel with invalid next header.	Per SAMOG Service	Standard
samog	cgw-tdr-invalid-pkt-len	INT32	Incremental	active	Total number of data packets received on IPv6 GRE tunnel with invalid length.	Increments when a data packet is received on IPv6 GRE tunnel with invalid length.	Per SAMOG Service	Standard
samog	cgw-tdr-no-sess-found	INT32	Incremental	active	Total number of data packets received on IPv6 GRE tunnel for which binding is not found at SaMOG based on CoA address.	Increments when a data packet is received on IPv6 GRE tunnel for which binding is not found at	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	cgw-tds-ipv4greipv4-pkts	INT32	Incremental	active	Total number of IPv4 data packets sent on IPv6 GRE tunnel.	Increments when a IPv4 data packet is sent on IPv6 GRE tunnel.	Per SAMOG Service	Standard
samog	cgw-tds-ipv6greipv6-pkts	INT32	Incremental	active	Total number of IPv6 data packets sent on IPv6 GRE tunnel.	Increments when a IPv6 data packet is sent on IPv6 GRE tunnel.	Per SAMOG Service	Standard
samog	cgw-tds-ipv4greipv6-pkts	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tds-ipv6greipv4-pkts	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tds-ipv4greipv4-bytes	INT64	Incremental	active	Total bytes of IPv4 data sent on IPv6 GRE tunnel.	Increments when a IPv4 data packet is sent on IPv6 GRE tunnel	Per SAMOG	Standard
samog	cgw-tds-ipv6greipv6-bytes	INT64	Incremental	active	Total bytes of IPv6 data sent on IPv6 GRE tunnel.	Increments when a IPv6 data packet is sent on IPv6 GRE tunnel.	Per SAMOG	Standard
samog	cgw-tds-ipv4greipv6-bytes	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	cgw-tds-ipv6greipv4-bytes	INT64	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-total-attempt	INT32	Incremental	active	Total number of MRME calls attempted.	Increments when there is an attempt to make an MRME call.	Per SAMOG	Standard
samog	mrme-total-current	INT32	Gauge	active	Total number of MRME calls that are currently present in the system.	Increments upon successful MRME call set up.	Per SAMOG	Standard
samog	mrme-total-setup	INT32	Incremental	active	Total number of MRME calls that were successfully made.	Increments upon successful MRME call setup. This does not decrement when the call is disconnected.	Per SAMOG	Standard
samog	mrme-total-released	INT32	Incremental	active	Total number of MRME calls disconnected/released.	Increments when the MRME call is successfuly disconnected.	Per SAMOG	Standard
samog	mrme-total-aborted	INT32	Incremental	active	Total number of sessions aborted.	Increments whenever subscriber session is aborted by SaMOG due to various call setup failure such as authentication failure, pgw selection failure, and Session Setup Timeout .	Per SAMOG	Standard
samog	mrme-total-discarded	INT32	Incremental	active	Total number of rejected Radius message (Acc-Req/Acc-Messages).	Increments when a Radius message is discarded.	Per SAMOG Service	Standard
samog	mrme-total-access-req-rcv	INT32	Incremental	active	Total number of access requests received.	Increments when an access request is received.	Per SAMOG Service	Standard
samog	mrme-total-access-req-reject-congestion	INT32	Incremental	active	Total number of Access Rejected sent due to congestion policy.	Increments whenever SaMOG rejects received Access Request by sending Access Reject messages due to congestion control policy.	Per SAMOG Service	Standard
samog	mrme-total-access-req-retrans-rcv	INT32	Incremental	active	Total number of retransmitted access requests received.	Increments when a retransmitted access request is received.	Per SAMOG Service	Standard
samog	mrme-total-access-challenge-sent	INT32	Incremental	active	Total number of access challenge sent out.	Increments when access challenge is sent out successfully.	Per SAMOG Service	Standard
samog	mrme-total-access-accept-sent	INT32	Incremental	active	Total number of access accept sent.	Increments when access accept is sent out successfully.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-total-access-reject-sent	INT32	Incremental	active	Total number of access reject sent.	Increments when access reject is sent out successfully.	Per SAMOG Service	Standard
samog	mrme-total-start-req-rcv	INT32	Incremental	active	Total number of start requests received.	Increments when an accounting start request is received.	Per SAMOG Service	Standard
samog	mrme-total-start-req-retrans-rcv	INT32	Incremental	active	Total number of retransmitted start request received.	Increments when a retransmitted accounting start request is received.	Per SAMOG Service	Standard
samog	mrme-total-start-rsp-sent	INT32	Incremental	active	Total number of start response sent.	Increments when accounting start response is sent out successfully.	Per SAMOG Service	Standard
samog	mrme-total-interim-update-req-rcv	INT32	Incremental	active	Total number of accounting interim update requests received.	Increments when accounting interim update request is received.	Per SAMOG Service	Standard
samog	mrme-total-interim-update-retrans-rcv	INT32	Incremental	active	Total number of retransmitted accounting interim update requests received.	Increments when retransmitted accounting interim update request is received.	Per SAMOG Service	Standard
samog	mrme-total-interim-rsp-sent	INT32	Incremental	active	Total number of accounting interim response sent.	Increments when accounting interim response is sent successfully.	Per SAMOG Service	Standard
samog	mrme-total-stop-req-rcv	INT32	Incremental	active	Total number of accounting stop requests received.	Increments when an accounting stop request is received.	Per SAMOG Service	Standard
samog	mrme-total-stop-req-retrans-rcv	INT32	Incremental	active	Total number of retransmitted accounting stop requests received.	Increments when retransmitted accounting stop request is received.	Per SAMOG Service	Standard
samog	mrme-total-stop-rsp-sent	INT32	Incremental	active	Total number of accounting stop responses sent.	Increments when accounting stop response is sent successfully.	Per SAMOG Service	Standard
samog	mrme-total-unknown-req-rcv	INT32	Incremental	active	Total number of unknown requests received.	Increments when receiving an unknown request.	Per SAMOG Service	Standard
samog	mrme-total-rsp-sent	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-total-rad-send-failure	INT32	Incremental	active	Total number of radius failures.	Increments upon sending a failure for a radius message.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-unknown-clnt	INT32	Incremental	active	Total number of messages discarded since they were received from an unknown client.	Increments when a message is received from an unknown client.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-ignore-interim	INT32	Incremental	active	Total number of accounting interim messages ignored.	Increments on receiving accounting interim request for an MRME session that is not found.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-ignore-stop	INT32	Incremental	active	Total number of accounting stop messages ignored.	Increments on receiving accounting stop requests for an MRME session that is not found.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-incorrect-secret	INT32	Incremental	active	Total messages with incorrect secret discarded.	Increments when message is received with incorrect shared secret.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-attr-missing	INT32	Incremental	active	Total messages with missing attributes discarded.	Increments when a message is received with a missing mandatory attribute.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-total-discard-msgs-no-resource	INT32	Incremental	active	Total messages discards due to no resource.	Increments when a message is discarded due to resource not available.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-ignore-start	INT32	Incremental	active	Total number of accounting start messages ignored.	Increments on receiving an accounting start message received for an MRME session that is not found.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-stale-packets	INT32	Incremental	active	Total messages with stale packets discarded.	Increments on receiving messages with stale packets.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-svc-not-supported	INT32	Incremental	active	Total messages discarded due to service not supported.	Increments on receiving a message for which service is not supported.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-internal-error	INT32	Incremental	active	Total messages discarded due to internal error.	Increments upon receving a request that is not access request, access challenge or accounting request.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-svc-limit-exceeded	INT32	Incremental	active	Total messages discarded when service limit is exceeded.	Increments upon receiving a message when the service limit is already exceeded.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-license-limit-exceeded	INT32	Incremental	active	Total messages discarded when license limit is exceeded.	Increments upon receiving a message when the license limit is already exceeded.	Per SAMOG Service	Standard
samog	mrme-total-discard-msgs-pending-server-resp	INT32	Incremental	active	Total messages discarded due to pending server response.	Increments upon receiving a message but the server response is pending.	Per SAMOG Service	Standard
samog	mrme-total-discard-congestion-policy-applied	INT32	Incremental	active	Total messages discarded due to congestion policy being applied.	Increments upon receiving a message when the congestion policy applied prevents it.	Per SAMOG Service	Standard
samog	mrme-total-discard-newcall-policy-applied	INT32	Incremental	active	Total messages (Radius Session Trigger messages (Access or Accounting Requests)) discarded due to newcall policy being applied.	Increments upon receiving a message when the newcall policy is applied to discard/drop the message.	Per SAMOG Service	Standard
samog	mrme-total-discard-invalid-length	INT32	Incremental	active	Total messages with invalid length discarded.	Increments upon receiving a message with invalid length.	Per SAMOG Service	Standard
samog	mrme-total-discard-invalid-eap	INT32	Incremental	active	Total invalid EAP messages discarded.	Increments upon receiving an invalid EAP message.	Per SAMOG Service	Standard
samog	mrme-disconnect-total	INT32	Incremental	active	Total number of disconnects. This is an aggreegate of all disconnects due to various reasons.	Increments when the call gets disconnected.	Per SAMOG Service	Standard
samog	mrme-disconnect-local	INT32	Incremental	active	Total number of calls disconnected locally.	Increments upon disconnecting a call locally.	Per SAMOG Service	Standard
samog	mrme-disconnect-ue	INT32	Incremental	active	Total number of calls disconnected by UE.	Increments when the call disconnect is triggered by UE.	Per SAMOG Service	Standard
samog	mrme-disconnect-cgw	INT32	Incremental	active	Total number of calls disconnected by CGW.	Increments when call disconnect is triggered by CGW.	Per SAMOG Service	Standard
samog	mrme-disconnect-aaa	INT32	Incremental	active	Total number of calls disconnected by AAA.	Increments when call disconnect is triggered by AAA.	Per SAMOG Service	Standard
samog	mrme-disconnect-nas	INT32	Incremental	active	Total number of calls disconnected by NAS.	Increments when call disconnect is triggered by NAS.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-acct-trigger-total-attempted	INT32	Incremental	active	Total number of Accounting-Triggered MRME calls attempted.	Increments when there is an attempt to make an MRME call through accounting-trigger.	Per SAMOG	Proprietary
samog	mrme-acct-trigger-total-setup	INT32	Incremental	active	Total number of Accounting-Triggered MRME calls that were successfully made.	Increments upon successful MRME call setup through accounting-trigger. This counter does not decrement when the call is disconnected.	Per SAMOG	Proprietary
samog	mrme-acct-trigger-total-current	INT32	Gauge	active	Total number of Accounting-Triggered MRME calls that are currently present in the system.	Increments upon successful Accounting-Triggered MRME call set up. Decrements upon successful disconnection of Accounting-Triggered MRME call.	Per SAMOG	Proprietary
samog	mrme-acct-trigger-total-released	INT32	Incremental	active	Total number of Accounting-Triggered MRME calls disconnected/released.	Increments when the Accounting-Triggered MRME call is successfully disconnected.	Per SAMOG	Proprietary
samog	mrme-acct-trigger-total-aborted	INT32	Incremental	active	Total number of Accounting-Triggered MRME sessions aborted.	Increments whenever Accounting-Triggered MRME subscriber session is aborted by SaMOG due to various call setup failure such as authentication failure, P-GW selection failure, and Session Setup Timeout .	Per SAMOG	Proprietary
samog	mrme-acct-trigger-total-disconnected	INT32	Incremental	active	Total number of Accounting-Triggered MRME session disconnects.	Increments when Accounting-Triggered MRME session gets disconnected.	Per SAMOG	Proprietary
samog	mrme-pmip-trigger-total-attempted	INT32	Incremental	active	Total number of PMIP-triggered MRME calls attempted.	Increments when an MRME call is attempted through PMIP-trigger.	Per SAMOG	Proprietary
samog	mrme-pmip-trigger-total-setup	INT32	Incremental	active	Total number of PMIP-triggered MRME calls that were successfully established.	Increments upon successful MRME call setup through pmip-trigger. This counter does not decrement when the call is disconnected.	Per SAMOG	Proprietary
samog	mrme-pmip-trigger-total-current	INT32	Gauge	active	Total number of PMIP-triggered MRME calls that are currently present in the system.	Increments upon successful PMIP-triggered MRME call set up. Decrements upon successful disconnection of PMIP-triggered MRME call.	Per SAMOG	Proprietary
samog	mrme-pmip-trigger-total-released	INT32	Incremental	active	Total number of PMIP-triggered MRME calls aborted/disconnected.	Increments when the PMIP-triggered MRME call is successfully disconnected.	Per SAMOG	Proprietary

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-pmip-trigger-total-aborted	INT32	Incremental	active	Total number of PMIP-triggered MRME sessions aborted before call establishment.	Increments whenever PMIP-triggered MRME subscriber session is aborted by SaMOG due to various call setup failure such as authentication failure, P-GW selection failure, and Session Setup Timeout .	Per SAMOG	Proprietary
samog	mrme-pmip-trigger-total-disconnected	INT32	Incremental	active	Total number of PMIP-triggered MRME sessions disconnected after call establishment.	Increments when PMIP-triggered MRME session gets disconnected.	Per SAMOG	Proprietary
samog	cgw-sessstat-pmip-to-eogre-handoff-received	INT32	Incremental	active	Total number of EoGRE handoff messages received for a PMIP session.	Incrementes whenever an EoGRE message is received by SaMOG for an existing PMIP session.	Per SAMOG Service	Proprietary
samog	cgw-sessstat-pmip-to-eogre-handoff-accepted	INT32	Incremental	active	Total number of EoGRE handoff messages accpted for a PMIP session.	Increments whenever an EoGRE message is accepted by SaMOG for handoff from a PMIP session.	Per SAMOG Service	Proprietary
samog	cgw-sessstat-pmip-to-eogre-handoff-denied	INT32	Incremental	active	Total number of EoGRE handoff messages denied for a PMIP session.	Incrementes whenever an EoGRE message is denied by SaMOG for handoff from a PMIP session.	Per SAMOG Service	Proprietary
samog	cgw-sessstat-eogre-to-pmip-handoff-received	INT32	Incremental	active	Total number of PMIP handoff messages received for an EoGRE sesison.	Increments whenever a PMIP message is received by SaMOG for an existing EoGRE session.	Per SAMOG Service	Proprietary
samog	cgw-sessstat-eogre-to-pmip-handoff-accepted	INT32	Incremental	active	Total number of PMIP handoff messages accepted for an EoGRE sesison.	Increments whenever a PMIP message is accepted by SaMOG for handoff from an EoGRE session.	Per SAMOG Service	Proprietary
samog	cgw-sessstat-eogre-to-pmip-handoff-denied	INT32	Incremental	active	Total number of PMIP handoff messages denied for an EoGRE sesison.	Increments whenever a PMIP message is denied by SaMOG for handoff from an EoGRE session.	Per SAMOG Service	Proprietary
samog	mrme-dhcp-msg-discarded	INT32	Incremental	active	Total number of dhcp messages discarded by SAMOG	Increments when dhcp messages are discraded	Per SAMOG Service	Standard
samog	mrme-dhcp-discard-exceeded-max-size	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-dhcp-discard-non-existing-session	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-dhcp-discard-giaddr-mismatch	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-dhcp-discard-hw-type-len-unsupported	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
samog	mrme-dhcp-discard-msgs-non-dhcp-pkts	INT32	Incremental	active	Total Number of non-dhcp messages discarded by SaMOG.	Increments on receiving non-dhcp packets.	Per SAMOG Service	Standard
samog	mrme-dhcp-discard-newcall-policy-applied	INT32	Incremental	active	Total Number of dhcp messages(session trigger) discarded by SaMOG due to newcall policy being applied.	Increments on receiving dhcp packets when newcall policy is applied to discrad/drop the message.	Per SAMOG Service	Standard
samog	mrme-dhcp-trigger-msgs-retransmitted-pkts	INT32	Incremental	active	Total number of retransmitted dhcp packets/messages received by SaMOG.	Increments on receiving retransmitted dhcp packets.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-dhcp-trigger-msgs-dhcp-request-pkts	INT32	Incremental	active	Total number of dhcp request packets received by SAMOG.	Increments on receiving dhcp request packets.	Per SAMOG Service	Standard
samog	mrme-dhcp-trigger-msgs-dhcp-discover-pkts	INT32	Incremental	active	Total number of dhcp discover packets received by SAMOG.	Increments on receiving dhcp discover packets.	Per SAMOG Service	Standard
samog	mrme-reauthen-attempt	INT32	Incremental	active	Total number of reauthorisation attempts.	Increments upon receiving a reauthorisation request.	Per SAMOG Service	Standard
samog	mrme-reauthen-success	INT32	Incremental	active	Total number of successful reauthorisation requests.	Increments upon successful reauthorisation.	Per SAMOG Service	Standard
samog	mrme-reauthen-failure	INT32	Incremental	active	Total number of unsuccessful reauthorisation requests.	Increments upon a reauthorisation request being unsuccessful.	Per SAMOG Service	Standard
samog	mrme-reauthor-rar-attempt	INT32	Incremental	active	Total number of reauthorisation RAR attempts.	Increments when there RAR is received for reauthorisation.	Per SAMOG Service	Standard
samog	mrme-reauthor-rar-failure	INT32	Incremental	active	Total number of reauthorisation RAR failures.	Increments when a RAR received for reauthorisation is unsuccessful.	Per SAMOG Service	Standard
samog	mrme-reauthor-rar-success	INT32	Incremental	active	Total number of reauthorisation RAR success.	Increments when a RAR received for reauthorisation is successful.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-root-nai	INT32	Incremental	active	Total number of EAP messages with root NAI.	Increments upon receiving an EAP message with root NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-decorated-nai	INT32	Incremental	active	Total number of EAP messages with decorated NAI.	Increments upon receiving an EAP message with decorated NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-unknown-nai	INT32	Incremental	active	Total number of EAP messages with unknown NAI.	Increments upon receiving an EAP message with unknown NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-ue-iden-imsi	INT32	Incremental	active	Total number of EAP message with UE Identity as IMSI.	Increments upon receiving an EAP message with UE Identity as IMSI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-ue-iden-fast-reauth	INT32	Incremental	active	Total number of EAP messages with fast reauthorisation NAI.	Increments upon receiving an EAP with fast reauthorisation NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-ue-iden-psdnym	INT32	Incremental	active	Total number of EAP messages with pseudonym NAI.	Increments upon receiving an EAP with pseudonym NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-ue-iden-emergency	INT32	Incremental	active	Total number of EAP messages with emergency NAI.	Increments upon receiving an EAP message with emergency NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-total-success	INT32	Incremental	active	Total number of successful EAP messages received.	Increments upon receiving an EAP message successfully.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-total-rejects	INT32	Incremental	active	Total number of EAP messages rejected.	Increments upon rejecting an EAP message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-invalid-len	INT32	Incremental	active	Total number of EAP messages with invalid length.	Increments upon receiving an EAP message with invalid length.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-invalid-eap-type	INT32	Incremental	active	Total number of EAP messages with invalid EAP type.	Increments upon receiving an EAP message with invalid EAP type.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-iden-mismatch	INT32	Incremental	active	Total EAP messages with identifier mismatch.	Increments upon receiving an EAP message with ID mismatch.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-eap-rxmobile-framed-mtu-eap-drop	INT32	Incremental	active	Total number of EAP messages discarded due to framed MTU size error.	Increments upon receiving an EAP message being discarded due to wrong framed MTU size.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-discarded	INT32	Incremental	active	Total number of EAP messages discarded.	Increments upon an EAP message being discarded.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-aka-sess	INT32	Incremental	active	Total number of EAP aka messages received.	Increments upon receiving an EAP aka message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-aka-sim	INT32	Incremental	active	Total number of EAP aka SIM messages received.	Increments upon receiving an EAP aka SIM message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-aka-prime	INT32	Incremental	active	Total number of EAP aka prime messages received.	Increments upon receiving an EAP aka prime message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-other	INT32	Incremental	active	Not Defined	Not Defined	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-initial-req	INT32	Incremental	active	Total number of EAP messages with valid EAP ID type.	Increments upon receiving EAP messages with valid EAP ID type.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-non-identity-start	INT32	Incremental	active	Total number of EAP messages with invalid EAP ID type.	Increments upon receiving EAP messages with invalid EAP ID type.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-disc-code	INT32	Incremental	active	Total number of EAP messages with invalid EAP code.	Increments upon receiving an EAP message with invalid EAP code.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-invalid-imsi	INT32	Incremental	active	Total number of EAP messages with invalid IMSI.	Increments upon receiving an EAP message with invalid IMSI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-invalid-nai	INT32	Incremental	active	Total number of EAP messages with invalid NAI.	Increments upon receiving an EAP message with invalid NAI.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-failure-rcvd	INT32	Incremental	active	Total number of EAP messages for which authentication failed.	Increments upon receiving an EAP message for which authentication failed.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-msgs-from-svr-discarded	INT32	Incremental	active	Total number of EAP messages from server that are discarded.	Increments when an EAP message from server is discarded.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-total-dropped	INT32	Incremental	active	Total number of EAP messages dropped.	Increments upon dropping an EAP message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-drop-code	INT32	Incremental	active	Total number of EAP messages dropped due to invalid code.	Increments upon receiving an EAP message with an invalid code.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-total-sent	INT32	Incremental	active	Total number of EAP messages sent.	Increments upon sending an EAP message successfully.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-total-rcvd	INT32	Incremental	active	Total number of EAP messages received.	Increments upon receiving an EAP message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-success	INT32	Incremental	active	Total number of successful EAP messages received.	Increments upon receiving a successful EAP message.	Per SAMOG Service	Standard
samog	mrme-eap-rxmobile-eap-challenge	INT32	Incremental	active	Total number of EAP challenges received.	Increments upon receiving an EAP challenge message.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-ip-addr-selected	INT32	Incremental	active	Total number of PGW/GGSN IP addresses resolved during PGW selection.	Increments whenever subscriber session is selected for PGW/GGSN IP address during PGW selection using dns queries.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-pgw-sel-hostname-snaptr-success	INT32	Incremental	active	Total number of Snaptr queries that are successful for a given hostname for PGW selection.	Increments whenever Snaptr queries are successful for given hostname for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-hostname-snaptr-failure	INT32	Incremental	active	Total number of Snaptr queries that fails for a given hostname for PGW selection.	Increments whenever Snaptr queries fails for a given hostname for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-apn-fqdn-snaptr-success	INT32	Incremental	active	Total number of Snaptr queries are successful for given APN FQDN for PGW selection.	Increments whenever Snaptr queries are successful for a given APN FQDN for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-apn-fqdn-snaptr-failure	INT32	Incremental	active	Total number of Snaptr queries that fails for a given APN FQDN for PGW selection.	Increments whenever Snaptr queries fails for a given APN FQDN for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-apn-fqdn-a-aaaa-success	INT32	Incremental	active	Total number of A/AAAA queries that are successful for a given APN FQDN for PGW selection.	Increments whenever A/AAAA queries are successful for a given APN FQDN for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-pgw-sel-apn-fqdn-a-aaaa-failure	INT32	Incremental	active	Total number of A/AAAA queries that fails for a given APN FQDN for PGW selection.	Increments whenever A/AAAA queries fails for a given APN FQDN for PGW selection of SaMOG subscriber session.	Per SAMOG Service	Standard
samog	mrme-access-mode-local-offload-selected	INT32	Incremental	active	Total number of sessions selected for local offload network access mode.	Increments whenever subscriber session is selected for local breakout based on selected apn-profile which is configured with local-offload support.	Per SAMOG Service	Standard
samog	mrme-access-mode-gtpv1-selected	INT32	Incremental	active	Total number of sessions selected with network access mode as GTPv1.	Increments whenever subscriber session is selected as GTPv1 based on selected apn-profile which is configured with GTPv1 support.	Per SAMOG Service	Standard
samog	mrme-access-mode-gtpv2-selected	INT32	Incremental	active	Total number of sessions selected with network access mode as GTPv2.	Increments whenever subscriber session is selected as PGW (S2a over GTPv2) as part of PGW selection.	Per SAMOG Service	Standard
samog	mrme-access-mode-pmip-selected	INT32	Incremental	active	Total number of sessions selected with network access mode as S2a PMIPv6.	Increments whenever a subscriber session is selected as S2a PMIPv6, based on the selected apn-profile configured with S2a PMIPv6 support.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-local-offload-flow-num-gtpv1	INT32	Incremental	active	Total number of Local Offload Flow sessions with Gn GTPv1 interface towards GGSN.	Increments whenever a subscriber LBO Flow session is created with GGSN over Gn GTPv1 Protocol.	Per SAMOG Service	Standard
samog	mrme-local-offload-flow-num-gtpv2	INT32	Incremental	active	Total number of Local Offload Flow sessions with S2a GTPv2 interface towards PGW.	Increments whenever a subscriber LBO Flow session is created with PGW over S2a GTPv2 Protocol.	Per SAMOG Service	Standard
samog	mrme-local-offload-flow-num-pmip	INT32	Incremental	active	Total number of Local Offload Flow sessions with S2a PMIPv6 interface towards PGW.	Increments whenever a subscriber LBO Flow session is created with PGW over S2a PMIPv6 Protocol.	Per SAMOG Service	Standard
samog	mrme-dm-req-sent	INT32	Incremental	active	Total number of disconnect requests sent.	Increments upon successfully sending a disconnect request.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv	INT32	Incremental	active	Total number of disconnect responses received.	Increments upon receiving a disconnect response.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-ack	INT32	Incremental	active	Total number of disconnect ACK responses received.	Increments upon receiving a disconnect ACK response.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak	INT32	Incremental	active	Total number of disconnect NAK responses received.	Increments upon receiving a disconnect NAK response.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-ack-res-sess-rmvd	INT32	Incremental	active	Total number disconnect ACK response with error cause residual session removed.	Increments upon receiving a disconnect ACK response with cause residual session removed.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-unsprt-attr	INT32	Incremental	active	Total number of disconnect NAK response with error cause unsupported attribute.	Increments upon receiving disconnect NAK response with error cause as unsupported attribute.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-miss-attr	INT32	Incremental	active	Total number of disconnect NAK response with error cause missing attribute.	Increments upon receiving disconnect NAK response with error cause as missing attribute.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-nas-id-mismatch	INT32	Incremental	active	Total number of disconnect NAK response with error cause NAS ID mismatch.	Increments upon receiving disconnect NAK response with error cause as NAS ID mismatch.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-invalid-req	INT32	Incremental	active	Total number of disconnect NAK response with error cause as invalid request.	Increments upon receiving disconnect NAK response with error cause invalid request.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-unsprt-svc	INT32	Incremental	active	Total number of disconnect NAK response with error cause as unsupported service.	Increments upon receiving disconnect NAK response with error cause as unsupported service.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-unsprt-extn	INT32	Incremental	active	Total number of disconnect NAK response with error cause as unsupported extension.	Increments upon receiving disconnect NAK response with error cause as unsupported extension.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-dm-rsp-rcv-nak-admn-prohibit	INT32	Incremental	active	Total number of disconnect NAK response with error cause admin prohibit.	Increments upon receiving disconnect NAK response with error cause admin prohibit.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-sess-ctx-not-found	INT32	Incremental	active	Total number of disconnect NAK response with error cause session context not found.	Increments upon receiving disconnect NAK response with error cause session context not found.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-sess-ctx-not-remove	INT32	Incremental	active	Total number of disconnect NAK response with error cause session context not removable.	Increments upon receiving disconnect NAK response with error cause session context not removable.	Per SAMOG Service	Standard
samog	mrme-dm-rsp-rcv-nak-rsr-unavail	INT32	Incremental	active	Total number of disconnect NAK response with error cause resource unavailable.	Increments upon receiving disconnect NAK response with error cause with resource unavailable.	Per SAMOG Service	Standard
samog	mrme-acct-on-req	INT32	Incremental	active	Total number of accounting on requests received.	Increments when accounting on request is received.	Per SAMOG Service	Standard
samog	mrme-acct-off-req	INT32	Incremental	active	Total number of accounting off requests received.	Increments when accounting off request is received.	Per SAMOG Service	Standard
samog	mrme-handoff-authen-attempted	INT32	Incremental	active	Total number of sessions attempted for handoff using authentication mechanism.	Increments whenever Access-Request is received from different WLC to authenticate the existing SaMOG session for Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-authen-success	INT32	Incremental	active	Total number of sessions successfully handoff using authentication mechanism.	Increments whenever SaMOG successfully authenticate the existing SaMOG session for Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-authen-fail	INT32	Incremental	active	Total number of handoff failure sessions using authentication mechanism.	Increments whenever SaMOG failed to authenticate the existing SaMOG session for Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-account-attempted	INT32	Incremental	active	Total number of sessions attempted for handoff using accounting mechanism.	Increments whenever Accounting Request (Start) is received from different WLC for existing SaMOG session to perform Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-account-success	INT32	Incremental	active	Total number of sessions successfully handoff using accounting mechanism.	Increments whenever SaMOG successfully process the received Accounting Request (start) from different WLC for Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-account-fail	INT32	Incremental	active	Total number of sessions successfully handoff using accounting mechanism.	Increments whenever SaMOG is failed to process the received Accounting Request (start) from different WLC for Handoff.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-handoff-account-interim-attempted	INT32	Incremental	active	Total number of sessions attempted for handoff using accounting mechanism.	Increments whenever Accounting Request (Interim) is received from different WLC for existing SaMOG session to perform Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-account-interim-success	INT32	Incremental	active	Total number of sessions successfully handoff using accounting mechanism.	Increments whenever SaMOG successfully process the received Accounting Request (Interim) from different WLC for Handoff.	Per SAMOG Service	Standard
samog	mrme-handoff-account-interim-fail	INT32	Incremental	active	Total number of sessions successfully handoff using accounting mechanism.	Increments whenever SaMOG fails to process the received Accounting Request (Interim) from different WLC for Handoff.	Per SAMOG Service	Standard
samog	mrme-non-eap-preauth-call-success	INT32	Incremental	active	Total number of non-EAP sessions successfully established PDN connection during pre-authentication phase.	Increments whenever a non-EAP session successfully establishes PDN connection during pre-authentication phase.	Per SAMOG Service	Standard
samog	mrme-non-eap-preauth-call-failure	INT32	Incremental	active	Total number of non-EAP sessions failed to establish PDN connection during the pre-authentication phase due to internal errors, missing pre-authentication phase configurations, missing ACL, IP address pool, rulebase, etc.	Increments whenever a non-EAP session fails to establish PDN connection during pre-authentication.	Per SAMOG Service	Standard
samog	mrme-non-eap-preauth-call-current	INT32	Gauge	active	Total number of non-EAP sessions currently established in pre-authentication phase.	Increments whenever a non-EAP session successfully establishes during the pre-authentication phase and decrements when session is deleted.	Per SAMOG Service	Standard
samog	mrme-non-eap-preauth-call-sess-success	INT32	Incremental	active	Total number of non-EAP sessions successfully established during the pre-authentication phase.	Increments whenever a non-EAP session successfully establishes during the pre-authentication phase.	Per SAMOG Service	Standard
samog	mrme-non-eap-preauth-call-sess-failure	INT32	Incremental	active	Total number of non-EAP sessions fail to be created during the pre-authentication phase due to internal errors, missing pre-authentication phase configurations, missing ACL, IP address pool, rulebase, etc.	Increments whenever a non-EAP session fails to be created during the pre-authentication phase.	Per SAMOG Service	Standard
samog	mrme-non-eap-post-to-preauth-call-attempted	INT32	Incremental	active	Total number of non-EAP sessions attempted to move from post to pre-authentication phase.	Increments whenever a non-EAP session moves from post to pre-authentication phase is attempted.	Per SAMOG Service	Standard
samog	mrme-non-eap-post-to-preauth-call-success	INT32	Incremental	active	Total number of non-EAP sessions successfully moved from post to pre-authentication phase.	Increments whenever a non-EAP session successfully moved from post to pre-authentication phase.	Per SAMOG Service	Standard
samog	mrme-non-eap-post-to-preauth-call-failure	INT32	Incremental	active	Total number of non-EAP sessions fails to be move during the post to pre-authentication phase due to internal errors, missing pre-authentication phase configurations, missing ACL, IP address pool, rulebase, etc.	Increments whenever a non-EAP session fails to be created.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-non-eap-aaa-call-success	INT32	Incremental	active	Total number of non-EAP sessions successfully established PDN connection after the UE is authenticated and authorized by the AAA server(TAL Phase).	Increments whenever NON-EAP session established the PDN connection after AAA server successfully authenticates and authorizes the UE.	Per SAMOG Service	Standard
samog	mrme-non-eap-aaa-call-failure	INT32	Incremental	active	Total number of non-EAP sessions that fails to establish PDN connection after the UE is authenticated and authorized by the AAA server(TAL Phase) due to network type selection failure, P-GW selection failure, multi-device demux failure, internal errors, etc.	Increments whenever a non-EAP session fails to establish pdn connection after the AAA server authenticates and authorizes the UE.	Per SAMOG Service	Standard
samog	mrme-non-eap-aaa-call-current	INT32	Gauge	active	Total number of non-EAP sessions currently established after the UE is authenticated and authorized by the AAA server(TAL Phase).	Increments whenever the AAA server successfully authenticates and authorizes the UE and the non-EAP session is established and decrements when session is deleted.	Per SAMOG Service	Standard
samog	mrme-non-eap-aaa-call-sess-success	INT32	Incremental	active	Total number of non-EAP sessions successfully established after the UE is authenticated and authorized by the AAA server(TAL Phase).	Increments whenever the AAA server successfully authenticates and authorizes the UE and the non-EAP session is established.	Per SAMOG Service	Standard
samog	mrme-non-eap-aaa-call-sess-failure	INT32	Incremental	active	Total number of non-EAP sessions that fail to be created after the UE is authenticated and authorized by the AAA server(TAL Phase) due to network type selection failure, P-GW selection failure, multi-device demux failure, internal errors, etc.	Increments whenever a non-EAP session fails to be created after the AAA server authenticates and authorizes the UE.	Per SAMOG Service	Standard
samog	mrme-non-eap-session-attempted	INT32	Incremental	active	Total number of non-EAP sessions attempted.	Increments whenever a non-EAP session establishment is attempted.	Per SAMOG Service	Standard
samog	mrme-non-eap-session-aaa-rejects	INT32	Incremental	active	Total number of non-EAP sessions rejected by the AAA server or rejected during the authorization response parsing in SaMOG due to invalid attributes missing mandatory AVPs, etc.	Increments whenever a non-EAP session is rejected by the AAA server or whenever the session is rejected during the authorization response parsing in SaMOG.	Per SAMOG Service	Standard
samog	mrme-non-eap-postauth-call-attempted	INT32	Incremental	active	Total number of non-EAP postauth sessions attempted.	Increments whenever a non-EAP postauth session establishment is attempted.	Per SAMOG Service	Standard
samog	mrme-non-eap-postauth-call-success	INT32	Incremental	active	Total number of non-EAP postauth sessions successfully established after the UE is authenticated and authorized by the portal.	Increments whenever a non-EAP postauth session establishment is successful.	Per SAMOG Service	Standard
samog	mrme-non-eap-postauth-call-failure	INT32	Incremental	active	Total number of non-EAP postauth sessions that fails to be created after the UE is authenticated and authorized by the portal.	Increments whenever a non-EAP postauth session establishment fails.	Per SAMOG Service	Standard
samog	mrme-non-eap-postauth-call-current	INT32	Gauge	active	Total number of non-EAP postauth sessions currently established after the UE is authenticated and authorized by the portal.	Increments whenever a non-EAP postauth session establishment is successful and decrements when session is deleted.	Per SAMOG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
samog	mrme-eap-call-attempted	INT32	Incremental	active	Total number of EAP sessions attempted.	Increments whenever a EAP session establishment is attempted.	Per SAMOG Service	Standard
samog	mrme-eap-call-success	INT32	Incremental	active	Total number of EAP sessions successfully established.	Increments whenever a EAP session establishment is successful.	Per SAMOG Service	Standard
samog	mrme-eap-call-failure	INT32	Incremental	active	Total number of EAP sessions that fails to be created.	Increments whenever a EAP session establishment fails.	Per SAMOG Service	Standard
samog	mrme-eap-call-current	INT32	Gauge	active	Total number of EAP sessions currently established.	Increments whenever a EAP session establishment is successful and decrements when session is deleted.	Per SAMOG Service	Standard
samog	total-l3ip-dhcp-discard-msgs	INT32	Incremental	Obsolete	Not Defined	Not Defined	Not Defined	Standard
linkaggr	group-index	INT32	Primary-key	active	Not Defined	Not Defined	Not Defined	Standard
linkaggr	group-state	INT32	Primary-key	active	Alphanumeric string indicating the current state of this LAG.	Not Defined	Not Defined	Standard
linkaggr	group-no-ports	INT32	Incremental	active	Number of physical ports in this group.	Not Defined	Not Defined	Standard
linkaggr	group-no-masters	INT32	Incremental	active	Number of master ports in this group.	Not Defined	Not Defined	Standard
linkaggr	group-active-master	INT32	Gauge	active	Hexadecimal identifier/slot-port number of the active master port.	Not Defined	Not Defined	Standard
linkaggr	group-sys-mac	STRING	Gauge	active	MAC address assigned by the system to the LAG.	Not Defined	Not Defined	Standard
linkaggr	group-sys-prio	INT32	Gauge	active	System priority.	Not Defined	Not Defined	Standard
linkaggr	group-rx-bytes	INT64	Incremental	active	Number of LACP bytes received from the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-tx-bytes	INT64	Incremental	active	Number of LACP bytes sent to the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-rx-unicast-frames	INT64	Incremental	active	Number of unicast frames received from the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-tx-unicast-frames	INT64	Incremental	active	Number of unicast frames sent to the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-rx-multicast-frames	INT64	Incremental	active	Number of multicast frames received from the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-tx-multicast-frames	INT64	Incremental	active	Number of multicast frames sent to the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-rx-broadcast-frames	INT64	Incremental	active	Number of broadcast frames received from the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-tx-broadcast-frames	INT64	Incremental	active	Number of broadcast frames sent to the peer network device.	Not Defined	Not Defined	Standard
linkaggr	group-curr-util-rx	INT64	Gauge	active	Current utilization received (Rx)	Not Defined	Not Defined	Standard
linkaggr	group-curr-util-tx	INT64	Gauge	active	Current utilization sent (Tx)	Not Defined	Not Defined	Standard
linkaggr	group-5min-util-rx	INT64	Gauge	active	Utilization during last 5-minute interval received (Rx)	Not Defined	Not Defined	Standard
linkaggr	group-5min-util-tx	INT64	Gauge	active	Utilization during last 5-minute interval sent (Tx)	Not Defined	Not Defined	Standard
linkaggr	group-15min-util-rx	INT64	Gauge	active	Utilization during last 15-minute interval received (Rx)	Not Defined	Not Defined	Standard
linkaggr	group-15min-util-tx	INT64	Gauge	active	Utilization during last 15-minute interval sent (Tx)	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot1	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port1	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port1-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port1-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot2	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port2	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port2-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port2-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot3	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port3	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port3-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port3-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
linkaggr	group-lacp-slot4	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port4	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port4-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port4-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot5	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port5	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port5-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port5-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot6	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port6	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port6-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port6-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot7	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port7	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port7-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port7-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot8	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port8	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port8-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port8-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot9	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port9	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port9-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port9-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot10	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port10	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port10-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port10-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot11	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port11	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port11-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port11-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot12	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port12	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port12-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port12-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot13	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port13	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port13-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port13-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot14	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port14	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port14-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port14-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
linkaggr	group-lacp-slot15	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port15	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port15-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port15-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot16	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port16	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port16-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port16-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot17	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port17	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port17-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port17-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot18	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port18	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port18-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port18-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot19	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port19	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port19-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port19-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot20	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port20	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port20-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port20-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot21	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port21	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port21-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port21-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot22	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port22	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port22-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port22-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot23	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port23	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port23-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port23-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot24	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port24	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port24-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port24-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot25	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port25	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port25-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port25-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
linkaggr	group-lacp-slot26	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port26	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port26-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port26-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot27	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port27	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port27-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port27-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot28	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port28	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port28-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port28-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot29	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port29	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port29-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port29-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot30	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port30	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port30-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port30-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot31	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port31	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port31-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port31-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot32	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port32	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port32-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port32-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot33	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port33	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port33-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port33-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot34	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port34	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port34-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port34-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot35	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port35	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port35-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port35-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot36	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port36	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port36-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port36-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
linkaggr	group-lacp-slot37	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port37	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port37-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port37-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot38	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port38	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port38-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port38-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot39	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port39	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port39-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port39-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-slot40	INT32	Incremental	active	Slot number for Link Aggregation Control Protocol (LACP).	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port40	INT32	Incremental	active	Port number for LACP.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port40-rx-count	INT64	Incremental	active	Number of bytes received from the peer via the specified port.	Not Defined	Not Defined	Standard
linkaggr	group-lacp-port40-tx-count	INT64	Incremental	active	Number of bytes sent to the peer via the specified port.	Not Defined	Not Defined	Standard
wsg	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Not Defined	Not Defined	Standard
wsg	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the WSG service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
wsg	svcname	STRING	Primary-key	active	The name of the service for which these statistics are being displayed.	Configuration	Per WSG Service	Standard
wsg	svcid	INT32	Primary-key	active	The identifier assign by StarOS for this service.	Not Defined	Not Defined	Standard
wsg	bindaddress	STRING	Primary-key	active	The IP address bound to this WSG service.	Not Defined	Not Defined	Standard
wsg	state	STRING	Primary-key	active	The current state of this service.	Not Defined	Not Defined	Standard
wsg	wsg-current-sessions-total	INT32	Gauge	active	Total number of current sessions (all types).	Not Defined	Not Defined	Standard
wsg	wsg-current-active-sessions	INT32	Gauge	active	Total number of currently active sessions (IPv4 and IPv6).	Not Defined	Not Defined	Standard
wsg	wsg-current-dormant-sessions	INT32	Gauge	active	Total number of currently dormant sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-active-ipv4-sessions	INT32	Gauge	active	Total number of currently active IPv4 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-dormant-ipv4-sessions	INT32	Gauge	active	Total number of currently dormant IPv4 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-active-ipv6-sessions	INT32	Gauge	active	Total number of currently active IPv6 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-dormant-ipv6-sessions	INT32	Gauge	active	Total number of currently dormant IPv6 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-simple-ipv4-total	INT32	Gauge	active	Total number of current Simple IPv4 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-simple-ipv6-total	INT32	Gauge	active	Total number of current Simple IPv6 sessions.	Not Defined	Not Defined	Standard
wsg	wsg-current-data-clients-total	INT32	Gauge	active	Total number of current data clients.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-attempts	INT32	Incremental	active	Total number of attempted Simple IP sessions.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-successes	INT32	Incremental	active	Total number of successful Simple IP sessions.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-failures	INT32	Incremental	active	Total number of failed Simple IP sessions.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-fallback-successes	INT32	Incremental	active	Total number of successful Simple IP fallbacks.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-fallback-failures	INT32	Incremental	active	Total number of failed Simple IP fallbacks.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-fallback-no-mobile-ip-rrq-rx	INT32	Incremental	active	Total number of Simple IP fallbacks with no received Mobile IP registration requests.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-fallback-not-allowed	INT32	Incremental	active	Total number of Simple IP fallbacks that were not allowed.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-fallback-tagged-pool-address	INT32	Incremental	active	Total number of Simple IP fallbacks due to tagged pool address.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
wsg	wsg-total-simple-ip-fallback-fail-misc-reasons	INT32	Incremental	active	Total number of Simple IP fallbacks that failed for miscellaneous reasons.	Not Defined	Not Defined	Standard
wsg	wsg-total-setup-successes	INT32	Incremental	active	Total number of successful WSG setups.	Not Defined	Not Defined	Standard
wsg	wsg-total-setup-attempts	INT32	Incremental	active	Total number of failed WSG setups.	Not Defined	Not Defined	Standard
wsg	wsg-total-attempts-failed	INT32	Incremental	active	Total number of failed WSG attempts.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected	INT32	Incremental	active	Total number of WSG sessions that were disconnected (locally and remotely).	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-locally	INT32	Incremental	active	Total number of WSG sessions that were locally disconnected.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-remotely	INT32	Incremental	active	Total number of WSG sessions that were remotely disconnected.	Not Defined	Not Defined	Standard
wsg	wsg-total-simple-ip-ipv4-sessions	INT32	Incremental	active	Total number of Simple IPv4 sessions (all types).	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-remotely-before-connect	INT32	Incremental	active	Not Defined	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-remote-disc-ipsec	INT32	Incremental	active	Total number of sessions that were remotely disconnected due to IPSec violations.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-admin-disconnect	INT32	Incremental	active	Total number of sessions that were admnistratively disconnected.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-idle-timeout	INT32	Incremental	active	Total number of sessions that were disconnected due to idle timer expiry.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-absolute-timeout	INT32	Incremental	active	Total number of sessions that were disconnected due to an absolute timeout.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-long-duration-timeout	INT32	Incremental	active	Total number of sessions that were disconnected due to long duration timer expiry.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-session-setup-timeout	INT32	Incremental	active	Total number of sessions that were disconnected due to setup timer expiry.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-no-resource	INT32	Incremental	active	Total number of sessions that were disconnected because a resource was unavailable.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-auth-failure	INT32	Incremental	active	Total number of sessions that were disconnected due to authentication failure.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-flow-add-failure	INT32	Incremental	active	Total number of sessions that were disconnected because they could not be added to a flow.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-invalid-dest-context	INT32	Incremental	active	Total number of sessions that were disconnected due to an invalid destination context.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-source-addr-violation	INT32	Incremental	active	Total number of sessions that were disconnected as a source address violation.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-duplicate-request	INT32	Incremental	active	Total number of sessions that were disconnected as a duplicate request.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-mac-validation-failure	INT32	Incremental	active	Total number of sessions that were disconnected due to failed validation of the MAC address.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-addr-assign-failure	INT32	Incremental	active	Total number of sessions that were disconnected due to an assigned address failure.	Not Defined	Not Defined	Standard
wsg	wsg-total-disconnected-misc-reasons	INT32	Incremental	active	Total number of sessions that were disconnected due to miscellaneous reasons.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-total-received	INT32	Incremental	active	Total number of sessions that were received from an Extensible Authentication Protocol (EAP) server.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-challenge-received	INT32	Incremental	active	Total number of EAP challenges that were received.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-success-received	INT32	Incremental	active	Total number of EAP sessions that were successfully received.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-failure-received	INT32	Incremental	active	Total number of EAP failures that were received.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-mobile-total-received	INT32	Incremental	active	Total number of EAP mobile session requests that were received.	Not Defined	Not Defined	Standard
wsg	wsg-total-sent-to-eap-server	INT32	Incremental	active	Total number of sessions that were sent to an EAP server.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
wsg	wsg-total-initial-requests-sent-to-eap-server	INT32	Incremental	active	Total number of initial session requests that were sent to an EAP server.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-requests-forwarded	INT32	Incremental	active	Total number of EAP session requests that were forwarded.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-mobile-discarded	INT32	Incremental	active	Total number of EAP mobile session requests that were discarded.	Not Defined	Not Defined	Standard
wsg	wsg-total-eap-server-discarded	INT32	Incremental	active	Total number of EAP requests that were discarded.	Not Defined	Not Defined	Standard
wsg	wsg-total-packets-sent	INT64	Incremental	active	Total number of packets that were sent by the SecGW.	Not Defined	Not Defined	Standard
wsg	wsg-total-bytes-sent	INT64	Incremental	active	Total number of bytes that were sent by the SecGW.	Not Defined	Not Defined	Standard
wsg	wsg-total-packets-rcvd	INT64	Incremental	active	Total number of packets that were received by the SecGW.	Not Defined	Not Defined	Standard
wsg	wsg-total-bytes-rcvd	INT64	Incremental	active	Total number of bytes that were received by the SecGW.	Not Defined	Not Defined	Standard
wsg	wsg-total-packets-violations	INT64	Incremental	active	Total number of packets that were marked as violations.	Not Defined	Not Defined	Standard
hnbgw-sabp	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-sabp	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-SABP service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-sabp	servname	STRING	Primary-key	active	The name of the HNBGW-SABP service for which these statistics are being displayed.	Configuration	Per HNBGW-SABP Service	Standard
hnbgw-sabp	write-replace-tx	INT32	Incremental	active	Number of Write Replace messages transmitted to HNB from HNBGW Trigger : Write Replace message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-cmplt-rx	INT32	Incremental	active	Number of Write Replace Complete messages received from HNB by HNBGW Trigger : Write Replace Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB by HNBGW Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-param-unrec	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter not recognised Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter value invalid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Valid CN message not identified Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area identity not valid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-unrec-msg	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unrecognised message Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Missing mandatory element Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC memory exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	write-replace-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message reference already used Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unspecified error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Semantic error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	write-replace-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-tx	INT32	Incremental	active	Number of Kill messages transmitted to HNB from HNBGW Trigger : Kill message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-cmplt-rx	INT32	Incremental	active	Number of Kill Complete messages received from HNB by HNBGW Trigger : Kill Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx	INT32	Incremental	active	Number of Kill Failure messages received from HNB by HNBGW Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-param-unrec	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter not recognised Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter value invalid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Valid CN message not identified Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	kill-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area identity not valid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-unrec-msg	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unrecognised message Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Missing mandatory element Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC memory exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message reference already used Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unspecified error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-semantic-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Semantic error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	kill-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-tx	INT32	Incremental	active	Number of Msg-Status-Query messages transmitted to HNB from HNBGW Trigger : Msg-Status-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-cmplt-rx	INT32	Incremental	active	Number of Msg-Status-Query Complete messages received from HNB by HNBGW Trigger : Msg-Status-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB by HNBGW Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	msg-status-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message reference already used Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unspecified error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Semantic error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	msg-status-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	msg-status-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-tx	INT32	Incremental	active	Number of Load-Query messages transmitted to HNB from HNBGW Trigger : Load-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-cmplt-rx	INT32	Incremental	active	Number of Load-Query Complete messages received from HNB by HNBGW Trigger : Load-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB by HNBGW Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	load-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message reference already used Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unspecified error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Semantic error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	load-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard
hnbgw-sabp	reset-cmplt-rx	INT32	Incremental	active	Number of Reset Complete messages received from HNB by HNBGW Trigger : Reset Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx	INT32	Incremental	active	Number of Reset Failure messages received from HNB by HNBGW Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-param-unrec	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter not recognised Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter value invalid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Valid CN message not identified Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area identity not valid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp	reset-fail-rx-unrec-msg	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unrecognised message Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Missing mandatory element Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC memory exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message reference already used Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unspecified error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-semantic-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Semantic error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	reset-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	restart-rx	INT32	Incremental	active	Number of Restart messages received from HNB by HNBGW Trigger : Restart message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	failure-rx	INT32	Incremental	active	Number of Failure messages received from HNB by HNBGW Trigger : Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-sabp-open	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-SABP-Open service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	servname	STRING	Primary-key	active	The name of the HNBGW-SABP-OPEN service for which these statistics are being displayed.	Configuration	Per HNBGW-SABP-Open Service	Standard
hnbgw-sabp-open	write-replace-tx	INT32	Incremental	active	Number of Write Replace messages transmitted to HNB from HNBGW Trigger : Write Replace message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-cmplt-rx	INT32	Incremental	active	Number of Write Replace Complete messages received from HNB by HNBGW Trigger : Write Replace Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB by HNBGW Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-param-unrec	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter not recognised Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter value invalid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Valid CN message not identified Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area identity not valid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-unrec-msg	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unrecognised message Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Missing mandatory element Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC memory exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message reference already used Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unspecified error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	write-replace-fail-rx-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Semantic error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	write-replace-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-tx	INT32	Incremental	active	Number of Kill messages transmitted to HNB from HNBGW Trigger : Kill message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-cmplt-rx	INT32	Incremental	active	Number of Kill Complete messages received from HNB by HNBGW Trigger : Kill Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx	INT32	Incremental	active	Number of Kill Failure messages received from HNB by HNBGW Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-param-unrec	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter not recognised Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter value invalid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Valid CN message not identified Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area identity not valid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-unrec-msg	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unrecognised message Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Missing mandatory element Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC memory exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	kill-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message reference already used Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unspecified error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-semantic-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Semantic error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	notify	INT32	Incremental	active	Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	kill-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-tx	INT32	Incremental	active	Number of Msg-Status-Query messages transmitted to HNB from HNBGW Trigger : Msg-Status-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-cmplt-rx	INT32	Incremental	active	Number of Msg-Status-Query Complete messages received from HNB by HNBGW Trigger : Msg-Status-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB by HNBGW Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	msg-status-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message reference already used Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unspecified error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Semantic error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	msg-status-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	load-query-tx	INT32	Incremental	active	Number of Load-Query messages transmitted to HNB from HNBGW Trigger : Load-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-cmplt-rx	INT32	Incremental	active	Number of Load-Query Complete messages received from HNB by HNBGW Trigger : Load-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB by HNBGW Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message reference already used Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unspecified error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	load-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Semantic error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	load-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard
hnbgw-sabp-open	reset-cmplt-rx	INT32	Incremental	active	Number of Reset Complete messages received from HNB by HNBGW Trigger : Reset Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx	INT32	Incremental	active	Number of Reset Failure messages received from HNB by HNBGW Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-param-unrec	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter not recognised Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter value invalid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Valid CN message not identified Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area identity not valid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-unrec-msg	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unrecognised message Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Missing mandatory element Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC memory exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-open	reset-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message reference already used Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unspecified error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-semantic-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Semantic error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	reset-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	restart-rx	INT32	Incremental	active	Number of Restart messages received from HNB by HNBGW Trigger : Restart message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	failure-rx	INT32	Incremental	active	Number of Failure messages received from HNB by HNBGW Trigger : Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-open	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-sabp-closed	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-SABP-Closed service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-sabp-closed	servname	STRING	Primary-key	active	The name of the HNBGW-SABP-CLOSED service for which these statistics are being displayed.	Configuration	Per HNBGW-SABP-Closed Service	Standard
hnbgw-sabp-closed	write-replace-tx	INT32	Incremental	active	Number of Write Replace messages transmitted to HNB from HNBGW Trigger : Write Replace message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-cmplt-rx	INT32	Incremental	active	Number of Write Replace Complete messages received from HNB by HNBGW Trigger : Write Replace Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB by HNBGW Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-param-unrec	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter not recognised Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	write-replace-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter value invalid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Valid CN message not identified Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area identity not valid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-unrec-msg	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unrecognised message Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Missing mandatory element Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC memory exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message reference already used Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unspecified error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Semantic error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	write-replace-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	write-replace-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-tx	INT32	Incremental	active	Number of Kill messages transmitted to HNB from HNBGW Trigger : Kill message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-cmplt-rx	INT32	Incremental	active	Number of Kill Complete messages received from HNB by HNBGW Trigger : Kill Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx	INT32	Incremental	active	Number of Kill Failure messages received from HNB by HNBGW Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-param-unrec	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter not recognised Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter value invalid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Valid CN message not identified Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area identity not valid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-unrec-msg	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unrecognised message Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Missing mandatory element Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC memory exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message reference already used Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unspecified error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	kill-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-semantic-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Semantic error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	kill-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-tx	INT32	Incremental	active	Number of Msg-Status-Query messages transmitted to HNB from HNBGW Trigger : Msg-Status-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-cmplt-rx	INT32	Incremental	active	Number of Msg-Status-Query Complete messages received from HNB by HNBGW Trigger : Msg-Status-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB by HNBGW Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	msg-status-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message reference already used Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unspecified error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Semantic error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	msg-status-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-tx	INT32	Incremental	active	Number of Load-Query messages transmitted to HNB from HNBGW Trigger : Load-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-cmplt-rx	INT32	Incremental	active	Number of Load-Query Complete messages received from HNB by HNBGW Trigger : Load-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	load-query-fail-rx	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB by HNBGW Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message reference already used Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unspecified error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Semantic error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	load-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	load-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard
hnbgw-sabp-closed	reset-cmplt-rx	INT32	Incremental	active	Number of Reset Complete messages received from HNB by HNBGW Trigger : Reset Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx	INT32	Incremental	active	Number of Reset Failure messages received from HNB by HNBGW Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-param-unrec	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter not recognised Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter value invalid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Valid CN message not identified Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area identity not valid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-unrec-msg	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unrecognised message Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Missing mandatory element Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC memory exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message reference already used Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-closed	reset-fail-rx-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unspecified error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-semantic-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Semantic error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	reset-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	restart-rx	INT32	Incremental	active	Number of Restart messages received from HNB by HNBGW Trigger : Restart message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	failure-rx	INT32	Incremental	active	Number of Failure messages received from HNB by HNBGW Trigger : Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-closed	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
hnbgw-sabp-hybrid	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the HNBGW-SABP-Hybrid service. This is an internal reference number.	Generated During System Startup	Per Context Level	Standard
hnbgw-sabp-hybrid	servname	STRING	Primary-key	active	The name of the HNBGW-SABP-HYBRID service for which these statistics are being displayed.	Configuration	Per HNBGW-SABP-Hybrid Service	Standard
hnbgw-sabp-hybrid	write-replace-tx	INT32	Incremental	active	Number of Write Replace messages transmitted to HNB from HNBGW Trigger : Write Replace message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-cmplt-rx	INT32	Incremental	active	Number of Write Replace Complete messages received from HNB by HNBGW Trigger : Write Replace Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB by HNBGW Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-param-unrec	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter not recognised Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Parameter value invalid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Valid CN message not identified Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	write-replace-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area identity not valid Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-unrec-msg	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unrecognised message Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Missing mandatory element Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: RNC memory exceeded Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	not-oper	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message reference already used Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-unspecified-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Unspecified error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-semantic-err	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Semantic error Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	write-replace-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Write Replace Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Write Replace Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	kill-tx	INT32	Incremental	active	Number of Kill messages transmitted to HNB from HNBGW Trigger : Kill message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-cmplt-rx	INT32	Incremental	active	Number of Kill Complete messages received from HNB by HNBGW Trigger : Kill Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx	INT32	Incremental	active	Number of Kill Failure messages received from HNB by HNBGW Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-param-unrec	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter not recognised Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Parameter value invalid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Valid CN message not identified Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area identity not valid Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-unrec-msg	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unrecognised message Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Missing mandatory element Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: RNC memory exceeded Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message reference already used Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-unspecified-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Unspecified error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-semantic-err	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Semantic error Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	kill-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	kill-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Kill Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Kill Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-tx	INT32	Incremental	active	Number of Msg-Status-Query messages transmitted to HNB from HNBGW Trigger : Msg-Status-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-cmplt-rx	INT32	Incremental	active	Number of Msg-Status-Query Complete messages received from HNB by HNBGW Trigger : Msg-Status-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB by HNBGW Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	unrec	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	msg-status-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message reference already used Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Unspecified error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Semantic error Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	msg-status-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Msg-Status-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Msg-Status-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-tx	INT32	Incremental	active	Number of Load-Query messages transmitted to HNB from HNBGW Trigger : Load-Query message is received from CBC and transmitted to HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-cmplt-rx	INT32	Incremental	active	Number of Load-Query Complete messages received from HNB by HNBGW Trigger : Load-Query Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB by HNBGW Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-param-unrec	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter not recognised Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Parameter value invalid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Valid CN message not identified Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	load-query-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area identity not valid Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-unrec-msg	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unrecognised message Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Missing mandatory element Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: RNC memory exceeded Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message reference already used Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-unspecified-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Unspecified error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-semantic-err	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Semantic error Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-abst-syntax-err-rej	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Reject) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	load-query-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Load-Query Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Load-Query Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-tx	INT32	Incremental	active	Indicates the total number of Reset message transmitted.	When Reset message is transmitted by PS Network.	Across all PS Networks	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	reset-cmplt-rx	INT32	Incremental	active	Number of Reset Complete messages received from HNB by HNBGW Trigger : Reset Complete message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx	INT32	Incremental	active	Number of Reset Failure messages received from HNB by HNBGW Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-param-unrec	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter not recognised Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-param-val-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Parameter value invalid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-valid-cn-msg-not-ident	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Valid CN message not identified Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-sa-id-invalid	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area identity not valid Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-unrec-msg	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unrecognised message Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-missing-mandatory-elem	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Missing mandatory element Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-rnc-cap-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC capacity exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-rnc-mem-exceeded	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: RNC memory exceeded Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-sa-broadcast-not-support	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not supported Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-sa-broadcast-not-oper	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Service Area Broadcast not operational Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-msg-ref-already-used	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message reference already used Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-unspecified-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Unspecified error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-transfer-syntax-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Transfer Syntax Error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-semantic-err	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Semantic error Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-msg-not-comp-with-rxr-state	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Message not compatible with receiver state Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-abst-syntax-err-reject	INT32	Incremental	active	Not Defined	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	reset-fail-rx-abst-syntax-err-ignore-notify	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Ignore and Notify) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
hnbgw-sabp-hybrid	reset-fail-rx-abst-syntax-err-false-const	INT32	Incremental	active	Number of Reset Failure messages received from HNB with cause: Abstract Syntax Error (Falsely Constructed Message) Trigger : Reset Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	restart-rx	INT32	Incremental	active	Number of Restart messages received from HNB by HNBGW Trigger : Restart message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	failure-rx	INT32	Incremental	active	Number of Failure messages received from HNB by HNBGW Trigger : Failure message is received from HNB by HNBGW	Not Defined	CBS	Standard
hnbgw-sabp-hybrid	err-ind-rx	INT32	Incremental	active	Number of Error Indication messages received from HNB by HNBGW Trigger : Error Indication message is received from HNB by HNBGW	Not Defined	CBS	Standard
sdn-vfe	fe-id	INT32	Primary-key	active	ID of a forwarding plane node handling data plane traffic	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-added	INT64	Incremental	active	Number of flows added/programmed to forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-updated	INT64	Incremental	active	Number of programmed flows updated in forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-deleted	INT64	Incremental	active	Number of flows deleted from forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-gracefully-removed	INT64	Incremental	active	Number of flows gracefully removed from forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-gracefully-removed	INT64	Incremental	active	Number of flows gracefully removed from forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flows-un-gracefully-removed	INT64	Incremental	active	Number of flows ungracefully removed from forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flow-add-failed	INT64	Incremental	active	Number of flows add/program attempts failed while adding flow to forwarder	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flow-update-failed	INT64	Incremental	active	Number of flows update action failed while updating flows added to forwarder	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	flow-delete-failed	INT64	Incremental	active	Number of flows remove action failed while deleting flows from forwarder	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	uplink-packets	INT64	Incremental	active	Number of uplink packets received at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	uplink-bytes	INT64	Incremental	active	Number of uplink bytes received at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	downlink-packets	INT64	Incremental	active	Number of downlink packets received at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	downlink-bytes	INT64	Incremental	active	Number of downlink bytes received at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	uplink-packets-dropped	INT64	Incremental	active	Number of uplink packets dropped at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
sdn-vfe	uplink-bytes-dropped	INT64	Incremental	active	Number of uplink bytes dropped at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	downlink-packets-dropped	INT64	Incremental	active	Number of downlink packets dropped at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
sdn-vfe	downlink-bytes-dropped	INT64	Incremental	active	Number of downlink bytes dropped at forwarding node	Displayed when Virtual-fe is configured in sdn-profile in context	per virtual-fe	Standard
apn-qci	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Displayed when VPN name associated with the interface is configured.	Per APN	Standard
apn-qci	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the APN-QCI service. This is an internal reference number.	Displayed when VPN Id assigned to this WSG service is configured.	Per APN	Standard
apn-qci	apn	STRING	Primary-key	active	The name of the APN for which statistics are displayed.	Displayed when APN for which statistics are collected is configured.	Per APN	Standard
apn-qci	qci	INT32	Primary-key	active	QCI for which stats are collected.	Displayed when QCI for which stats are collected is configured.	Per APN	Standard
apn-qci	cresessrespaccept	INT32	Incremental	active	The total number of Create Session Response accepted messages sent by the system.	Increments on sending Create Session Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	cresessrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Context Not Found.	Increments on sending Create Session Response message with cause Context Not Found.	Per APN	Standard
apn-qci	cresessrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Invalid Message Format.	Increments on sending Create Session Response message with cause Invalid Message Format.	Per APN	Standard
apn-qci	cresessrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Mandatory IE Incorrect.	Increments on sending Create Session Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	cresessrespdeniedMandIEMissing	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Mandatory IE Missing.	Increments on sending Create Session Response message with cause Mandatory IE Missing.	Per APN	Standard
apn-qci	cresessrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause No Resources Available.	Increments on sending Create Session Response message with cause No Resource Available.	Per APN	Standard
apn-qci	cresessrespdeniedPrefPdnTypeUnsupported	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Pref Pdn Type Unsupported.	Increments on sending Create Session Response message with cause Preferred PDN Type Not Supported.	Per APN	Standard
apn-qci	cresessrespdeniedAllDynamicAddrOccupied	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause All Dynamic Address Occupied.	Increments on sending Create Session Response message with cause All Dynamic Addresses Occupied.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	cresessrespdeniedServiceDenied	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Service Denied.	Increments on sending Create Session Response message with cause Service Denied.	Per APN	Standard
apn-qci	cresessrespdeniedUserAuthFailed	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause User Auth Failed.	Increments on sending Create Session Response message with cause User Auth Failed.	Per APN	Standard
apn-qci	cresessrespdeniedApnAccessDenied	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause APN Access Denied.	Increments on sending Create Session Response message with cause APN Access Denied.	Per APN	Standard
apn-qci	cresessrespdeniedRequestRejected	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Request Rejected.	Increments on sending Create Session Response message with cause Request Rejected.	Per APN	Standard
apn-qci	cresessrespdeniedCondIEMissing	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause Conditional IE Missing.	Increments on sending Create Session Response message with cause Conditional IE Missing.	Per APN	Standard
apn-qci	cresessrespdeniedApnRstTypeIncompatible	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause APN Restriction Type Incompatible.	Increments on sending Create Session Response message with cause APN Restriction Type Incompatible.	Per APN	Standard
apn-qci	cresessrespdeniedImsiNotKnown	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause IMSI Not Known.	Increments on sending Create Session Response message with cause IMSI Not Known.	Per APN	Standard
apn-qci	cresessrespdeniedOtherCause	INT32	Incremental	active	The total number of Create Session Response denied messages sent by the system with cause other than the listed causes.	Increments on sending Create Session Response message with other than the listed causes.	Per APN	Standard
apn-qci	crebearNorsp	INT32	Incremental	active	The total number of Create Bearer Request for which there is no response received.	Increments when no response message is received for Create Bearer Request message.	Per APN	Standard
apn-qci	crebearrespaccept	INT32	Incremental	active	The total number of Create Bearer Response accepted messages received by the system.	Increments on receiving Create Bearer Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	crebearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Context Not Found.	Increments on receiving Create Bearer Response message with cause Context Not Found.	Per APN	Standard
apn-qci	crebearrespdeniedSvcNotSupported	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Service Not Supported.	Increments on receiving Create Bearer Response message with cause Service Not Supported.	Per APN	Standard
apn-qci	crebearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Invalid Message Format.	Increments on receiving Create Bearer Response message with cause Invalid Message Format.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	crebearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Mandatory IE Incorrect.	Increments on receiving Create Bearer Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	crebearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Mandatory IE Missing.	Increments on receiving Create Bearer Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	crebearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Conditional IE Missing.	Increments on receiving Create Bearer Response message with cause Conditional IE Missing.	Per APN	Standard
apn-qci	crebearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause No Resources Available.	Increments on receiving Create Bearer Response message with cause No Resources Available.	Per APN	Standard
apn-qci	crebearrespdeniedSemanticErrinTFT	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Semantic Error n TFT.	Increments on receiving Create Bearer Response message with cause Semantic Error in TFT Operation.	Per APN	Standard
apn-qci	crebearrespdeniedSyntacticErrinTFT	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Syntactic Error in TFT.	Increments on receiving Create Bearer Response message with Syntactic Error in TFT Operation.	Per APN	Standard
apn-qci	crebearrespdeniedSemanticErrinPktFltr	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Semantic Error in Pkt Filter.	Increments on receiving Create Bearer Response message with cause Semantic Error in Packet Filters.	Per APN	Standard
apn-qci	crebearrespdeniedSyntacticErrinPktFltr	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Syntactic error in pkt Filter.	Increments on receiving Create Bearer Response message with cause Syntactic Error in Packet Filters.	Per APN	Standard
apn-qci	crebearrespdeniedUnableToPageUE	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Unable To Page UE.	Increments on receiving Create Bearer Response message with cause Unable To Page UE.	Per APN	Standard
apn-qci	crebearrespdeniedUENotResponding	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause UE Not Responding.	Increments on receiving Create Bearer Response message with cause UE Not Responding.	Per APN	Standard
apn-qci	crebearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Unable to Page UE Due to Suspension.	Increments on receiving Create Bearer Response message with cause Unable To Page UE Due To Suspension.	Per APN	Standard
apn-qci	crebearrespdeniedUERefuses	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause UE Refused.	Increments on receiving Create Bearer Response message with cause UE Refuses.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	crebearrespdeniedRequestRejected	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Request Rejected.	Increments on receiving Create Bearer Response message with cause Request Rejected.	Per APN	Standard
apn-qci	crebearrespdeniedInvalidLenPiggybkMsg	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Invalid Length of Piggyback Message.	Increments on receiving Create Bearer Response message with cause Invalid Length of Piggyback Message.	Per APN	Standard
apn-qci	crebearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Invalid Remote Peer Reply.	Increments on receiving Create Bearer Response message with cause Invalid Reply From Remote Peer.	Per APN	Standard
apn-qci	crebearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Peer Not Responding.	Increments on receiving Create Bearer Response message with cause Peer Not Responding.	Per APN	Standard
apn-qci	crebearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Temporary Reject Due To Handover In Progress.	Increments on receiving Create Bearer Response message with cause Temporary Rejected Due To Handover In Progess.	Per APN	Standard
apn-qci	crebearrespdeniedDeniedInRat	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Denied In Rat.	Increments on receiving Create Bearer Response message with cause Denied In Rat.	Per APN	Standard
apn-qci	crebearrespdeniedRejDueToVplmnPolicy	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause Visiting PLMN Policy.	Increments on receiving Create Bearer Response message with cause Denied due to Visting PLMN Policy	Per APN	Standard
apn-qci	crebearrespdeniedUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with the cause UE is temporarily not reachable due to power saving.	Increments on receiving the Create Bearer Response message with the cause UE is temporarily not reachable due to power saving.	Per APN	Standard
apn-qci	crebearrespdeniedOtherCause	INT32	Incremental	active	The total number of Create Bearer Response denied messages received by the system with cause other than the listed causes.	Increments on receiving Create Bearer Response message with other than the listed causes.	Per APN	Standard
apn-qci	modbearrespaccept	INT32	Incremental	active	The total number of Modify Bearer Response accepted messages sent by the system.	Increments on sending Modify Bearer Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	modbearerrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Context Not Found.	Increments on sending Modify Bearer Response message with cause Context Not Found.	Per APN	Standard
apn-qci	modbearerrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Invalid Message Format.	Increments on sending Modify Bearer Response message with cause Invalid Message Format.	Per APN	Standard
apn-qci	modbearerrespdeniedInvalidLength	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Invalid Message Length.	Increments on sending Modify Bearer Response message with cause Invalid Message Length.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	modbearerrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Mandatory IE Incorrect.	Increments on sending Modify Bearer Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	modbearerrespdeniedMandIEMissing	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Mandatory IE Missing.	Increments on sending Modify Bearer Response message with cause Mandatory IE Missing.	Per APN	Standard
apn-qci	modbearerrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause No Resource Available.	Increments on sending Modify Bearer Response message with cause No Resource Available.	Per APN	Standard
apn-qci	modbearerrespdeniedServiceDenied	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Service Denied.	Increments on sending Modify Bearer Response message with cause Service Denied.	Per APN	Standard
apn-qci	modbearerrespdeniedRequestRejected	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Request Rejected.	Increments on sending Modify Bearer Response message with cause Request Rejected.	Per APN	Standard
apn-qci	modbearerrespdeniedCondIEMissing	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause Conditional IE Missing.	Increments on sending Modify Bearer Response message with cause Conditional IE Missing.	Per APN	Standard
apn-qci	modbearerrespdeniedOtherCause	INT32	Incremental	active	The total number of Modify Bearer Response denied messages sent by the system with cause other than listed.	Increments on sending Modify Bearer Response message with cause other than listed causes.	Per APN	Standard
apn-qci	delsessrespaccept	INT32	Incremental	active	The total number of Delete Session Response accepted messages sent by the system.	Increments on sending Delete Session Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	delsessrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Delete Session Response denied messages sent by the system with cause Invalid Message format.	Increments on sending Delete Session Response message with cause Invalid Message Format.	Per APN	Standard
apn-qci	delsessrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Delete Session Response denied messages sent by the system with cause Mandatory IE Incorrect.	Increments on sending Delete Session Response message with cause Mandatory IE incorrect.	Per APN	Standard
apn-qci	delsessrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Delete Session Response denied messages sent by the system with cause No Resource Available.	Increments on sending Delete Session Response message with cause No Resource Available.	Per APN	Standard
apn-qci	delsessrespdeniedOtherCause	INT32	Incremental	active	The total number of Delete Session Response denied messages sent by the system with cause other than listed.	Increments on sending Delete Session Response message with cause other than listed causes.	Per APN	Standard
apn-qci	delbearerNorsp	INT32	Incremental	active	The total number of Delete Bearer Request for which there is no response received.	Increments when no response message is received for Delete Bearer Request message.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	delbearrespaccept	INT32	Incremental	active	The total number of Delete Bearer Response accepted messages received by the system.	Increments on receiving Delete Bearer Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	delbearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Context Not Found.	Increments on receiving Delete Bearer Response message with cause Context Not Found.	Per APN	Standard
apn-qci	delbearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Invalid Message Format.	Increments on receiving Delete Bearer Response message with cause Invalid Message Format.	Per APN	Standard
apn-qci	delbearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Mandatory IE Incorrect.	Increments on receiving Delete Bearer Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	delbearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Mandatory IE Missing.	Increments on receiving Delete Bearer Response message with cause Mandatory IE Missing.	Per APN	Standard
apn-qci	delbearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Conditional IE Missing.	Increments on receiving Delete Bearer Response message with cause Conditional IE Missing.	Per APN	Standard
apn-qci	delbearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause No Resources Available.	Increments on receiving Delete Bearer Response message with cause No Resource Available.	Per APN	Standard
apn-qci	delbearrespdeniedRequestRejected	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Request Rejected.	Increments on receiving Delete Bearer Response message with cause Request Rejected.	Per APN	Standard
apn-qci	delbearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Unable to Page UE Suspend.	Increments on receiving Delete Bearer Response message with cause Unable To Page UE Suspend.	Per APN	Standard
apn-qci	delbearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Invalid Remote Peer Reply.	Increments on receiving Delete Bearer Response message with cause Invalid Remote Peer Reply.	Per APN	Standard
apn-qci	delbearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Peer Not Responding.	Increments on receiving Delete Bearer Response message with cause Peer Not Responding.	Per APN	Standard
apn-qci	delbearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause Temporary Reject due to Handover in Progress.	Increments on receiving Delete Bearer Response message with cause Temporary Reject Due To Handover In Progress.	Per APN	Standard
apn-qci	delbearrespdeniedOtherCause	INT32	Incremental	active	The total number of Delete Bearer Response denied messages received by the system with cause other than listed.	Increments on receiving Delete Bearer Response message with cause other than listed causes.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	updbearNorsp	INT32	Incremental	active	The total number of Update Bearer Request for which no response received.	Increments when no response Message is not received for Update Bearer Request Message.	Per APN	Standard
apn-qci	updbearrespaccept	INT32	Incremental	active	The total number of Update Bearer Response accepted messages received by the system.	Increments on receiving Update Bearer Response message with one of the Accepted causes.	Per APN	Standard
apn-qci	updbearrespdeniedCtxtNotFound	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Context Not Found.	Increments on receiving Update Bearer Response message with cause Context Not Found.	Per APN	Standard
apn-qci	updbearrespdeniedInvalidMsgFormat	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Invalid Message Format.	Increments on receiving Update Bearer Response message with cause Invalid Message Format.	Per APN	Standard
apn-qci	updbearrespdeniedMandIEIncorrect	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Mandatory IE Incorrect.	Increments on receiving Update Bearer Response message with cause Mandatory IE Incorrect.	Per APN	Standard
apn-qci	updbearrespdeniedMandIEMissing	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Mandatory IE Missing.	Increments on receiving Update Bearer Response message with cause Mandatory IE Missing.	Per APN	Standard
apn-qci	updbearrespdeniedNoResourcesAvl	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause No Resources Available.	Increments on receiving Update Bearer Response message with cause No Resource Available.	Per APN	Standard
apn-qci	updbearrespdeniedSemanticErrinTFT	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Semantic Error in TFT.	Increments on receiving Update Bearer Response message with cause Semantic Error In TFT.	Per APN	Standard
apn-qci	updbearrespdeniedSyntacticErrinTFT	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Syntactic Error in TFT.	Increments on receiving Update Bearer Response message with cause Syntactic Error In TFT.	Per APN	Standard
apn-qci	updbearrespdeniedSemanticErrinPktFltr	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Semantic Error in Pkt Filter.	Increments on receiving Update Bearer Response message with cause Semantic Error In Pkt Filter.	Per APN	Standard
apn-qci	updbearrespdeniedSyntacticErrinPktFltr	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Syntactic Error in Pkt Filter.	Increments on receiving Update Bearer Response message with cause Syntactic Error In Pkt Filter.	Per APN	Standard
apn-qci	updbearrespdeniedUENotResponding	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause UE Not Responding.	Increments on receiving Update Bearer Response message with cause UE Not Responding.	Per APN	Standard
apn-qci	updbearrespdeniedUERefuses	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause UE Refuses.	Increments on receiving Update Bearer Response message with cause UE Refuses.	Per APN	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci	updbearrespdeniedUnableToPageUE	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Unable to Page UE Suspend.	Increments on receiving Update Bearer Response message with cause Unable To Page UE Suspend.	Per APN	Standard
apn-qci	updbearrespdeniedRequestRejected	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Request Rejected.	Increments on receiving Update Bearer Response message with cause Request Rejected.	Per APN	Standard
apn-qci	updbearrespdeniedUnableToPageUeSuspend	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Unable to Page UE Suspend.	Increments on receiving Update Bearer Response message with cause Unable To Page UE Suspend.	Per APN	Standard
apn-qci	updbearrespdeniedCondIEMissing	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Conditional IE Missing.	Increments on receiving Update Bearer Response message with cause Conditional IE Missing.	Per APN	Standard
apn-qci	updbearrespdeniedInvalidRemotePeerReply	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Invalid Remote Peer Reply.	Increments on receiving Update Bearer Response message with cause Invalid Remote Peer Reply.	Per APN	Standard
apn-qci	updbearrespdeniedPeerNotResponding	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Peer Not Responding.	Increments on receiving Update Bearer Response message with cause Peer Not Responding.	Per APN	Standard
apn-qci	updbearrespdeniedTempRejDueToHOProgress	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Temporary Reject due to Handover in Progress.	Increments on receiving Update Bearer Response message with cause Temporary Reject Due To Handover In Progress.	Per APN	Standard
apn-qci	updbearrespdeniedRejDueToVplmnPolicy	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause Visiting PLMN Policy	Increments on receiving Update Bearer Response message with cause Reject Due to Visiting PLMN Policy	Per APN	Standard
apn-qci	updbearrespdeniedUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with the cause UE is temporarily not reachable due to power saving.	Increments on receiving the Update Bearer Response message with the cause UE is temporarily not reachable due to power saving.	Per APN	Standard
apn-qci	updbearrespdeniedOtherCause	INT32	Incremental	active	The total number of Update Bearer Response denied messages received by the system with cause other than listed.	Increments on receiving Update Bearer Response message with cause other than listed causes.	Per APN	Standard
apn-qci-duration	apn-name	STRING	Primary-key	active	Name of the APN.	Configuration	P-GW Service	Standard
apn-qci-duration	qci-value	INT32	Primary-key	active	QCI value.	Configuration	P-GW Service	Standard
apn-qci-duration	qci-calldur-5sec	INT32	Gauge	active	Number of bearers with duration less than 5 seconds.	Increments for the bearers which are present in the system for the duration less than 5 seconds. Decrements as soon as bearer duration is greater than 5 seconds.	P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci-duration	qci-calldur-10sec	INT32	Gauge	active	Number of bearers with duration less than 10 seconds.	Increments for the bearers which are present in the system for the duration less than 10 seconds. Decrements as soon as bearer duration is greater than 10 seconds.	P-GW Service	Standard
apn-qci-duration	qci-calldur-30sec	INT32	Gauge	active	Number of bearers with duration less than 30 seconds.	Increments for the bearers which are present in the system for the duration less than 30 seconds. Decrements as soon as bearer duration is greater than 30 seconds.	P-GW Service	Standard
apn-qci-duration	qci-calldur-1min	INT32	Gauge	active	Number of bearers with duration less than 1 minute.	Increments for the bearers which are present in the system for the duration less than 1 minute. Decrements as soon as bearer duration is greater than 1 minute.	P-GW Service	Standard
apn-qci-duration	qci-calldur-2min	INT32	Gauge	active	Number of bearers with duration less than 2 minutes.	Increments for the bearers which are present in the system for the duration less than 2 minutes. Decrements as soon as bearer duration is greater than 2 minutes.	P-GW Service	Standard
apn-qci-duration	qci-calldur-5min	INT32	Gauge	active	Number of bearers with duration less than 5 minutes.	Increments for the bearers which are present in the system for the duration less than 5 minutes. Decrements as soon as bearer duration is greater than 5 minutes.	P-GW Service	Standard
apn-qci-duration	qci-calldur-15min	INT32	Gauge	active	Number of bearers with duration less than 15 minutes.	Increments for the bearers which are present in the system for the duration less than 15 minutes. Decrements as soon as bearer duration is greater than 15 minutes.	P-GW Service	Standard
apn-qci-duration	qci-calldur-30min	INT32	Gauge	active	Number of bearers with duration less than 30 minutes.	Increments for the bearers which are present in the system for the duration less than 30 minutes. Decrements as soon as bearer duration is greater than 30 minutes.	P-GW Service	Standard
apn-qci-duration	qci-calldur-1hour	INT32	Gauge	active	Number of bearers with duration less than 1 hour.	Increments for the bearers which are present in the system for the duration less than 1 hour. Decrements as soon as bearer duration is greater than 1 hour.	P-GW Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
apn-qci-duration	qci-calldur-4hour	INT32	Gauge	active	Number of bearers with duration less than 4 hours.	Increments for the bearers which are present in the system for the duration less than 4 hours. Decrements as soon as bearer duration is greater than 4 hours.	P-GW Service	Standard
apn-qci-duration	qci-calldur-12hour	INT32	Gauge	active	Number of bearers with duration less than 12 hours.	Increments for the bearers which are present in the system for the duration less than 12 hours. Decrements as soon as bearer duration is greater than 12 hours.	P-GW Service	Standard
apn-qci-duration	qci-calldur-24hour	INT32	Gauge	active	Number of bearers with duration less than 24 hours.	Increments for the bearers which are present in the system for the duration less than 24 hours. Decrements as soon as bearer duration is greater than 24 hours.	P-GW Service	Standard
apn-qci-duration	qci-calldur-over24hour	INT32	Gauge	active	Number of bearers with duration more than 24 hours.	Increments for the bearers which are present in the system for the duration more than 24 hours.	P-GW Service	Standard
apn-qci-duration	qci-calldur-2day	INT32	Gauge	active	Number of bearers with duration less than 2 days.	Increments for the bearers which are present in the system for the duration less than 2 days.	P-GW Service	Standard
apn-qci-duration	qci-calldur-4day	INT32	Gauge	active	Number of bearers with duration less than 4 days.	Increments for the bearers which are present in the system for the duration less than 4 days.	P-GW Service	Standard
apn-qci-duration	qci-calldur-5day	INT32	Gauge	active	Number of bearers with duration less than 5 days.	Increments for the bearers which are present in the system for the duration less than 5 days.	P-GW Service	Standard
epdg-apn-qci-durati	apn-name	STRING	Primary-key	active	Name of the APN.	Configuration	Per ePDG Service	Standard
epdg-apn-qci-durati	qci-value	INT32	Primary-key	active	QCI value.	Configuration	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-5sec	INT32	Gauge	active	Number of bearers with duration less than 5 seconds.	Increments for the bearers which are present in the system for the duration less than 5 seconds. Decrements as soon as bearer duration is greater than 5 seconds.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-10sec	INT32	Gauge	active	Number of bearers with duration less than 10 seconds.	Increments for the bearers which are present in the system for the duration less than 10 seconds. Decrements as soon as bearer duration is greater than 10 seconds.	ePDG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn-qci-durati	qci-calldur-30sec	INT32	Gauge	active	Number of bearers with duration less than 30 seconds.	Increments for the bearers which are present in the system for the duration less than 30 seconds. Decrements as soon as bearer duration is greater than 30 seconds.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-1min	INT32	Gauge	active	Number of bearers with duration less than 1 minute.	Increments for the bearers which are present in the system for the duration less than 1 minute. Decrements as soon as bearer duration is greater than 1 minute.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-2min	INT32	Gauge	active	Number of bearers with duration less than 2 minutes.	Increments for the bearers which are present in the system for the duration less than 2 minutes. Decrements as soon as bearer duration is greater than 2 minutes.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-5min	INT32	Gauge	active	Number of bearers with duration less than 5 minutes.	Increments for the bearers which are present in the system for the duration less than 5 minutes. Decrements as soon as bearer duration is greater than 5 minutes.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-15min	INT32	Gauge	active	Number of bearers with duration less than 15 minutes.	Increments for the bearers which are present in the system for the duration less than 15 minutes. Decrements as soon as bearer duration is greater than 15 minutes.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-30min	INT32	Gauge	active	Number of bearers with duration less than 30 minutes.	Increments for the bearers which are present in the system for the duration less than 30 minutes. Decrements as soon as bearer duration is greater than 30 minutes.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-1hour	INT32	Gauge	active	Number of bearers with duration less than 1 hour.	Increments for the bearers which are present in the system for the duration less than 1 hour. Decrements as soon as bearer duration is greater than 1 hour.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-4hour	INT32	Gauge	active	Number of bearers with duration less than 4 hours.	Increments for the bearers which are present in the system for the duration less than 4 hours. Decrements as soon as bearer duration is greater than 4 hours.	ePDG Service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
epdg-apn-qci-durati	qci-calldur-12hour	INT32	Gauge	active	Number of bearers with duration less than 12 hours.	Increments for the bearers which are present in the system for the duration less than 12 hours. Decrements as soon as bearer duration is greater than 12 hours.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-24hour	INT32	Gauge	active	Number of bearers with duration less than 24 hours.	Increments for the bearers which are present in the system for the duration less than 24 hours. Decrements as soon as bearer duration is greater than 24 hours.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-over24hour	INT32	Gauge	active	Number of bearers with duration more than 24 hours.	Increments for the bearers which are present in the system for the duration more than 24 hours.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-2day	INT32	Gauge	active	Number of bearers with duration less than 2 days.	Increments for the bearers which are present in the system for the duration less than 2 days.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-4day	INT32	Gauge	active	Number of bearers with duration less than 4 days.	Increments for the bearers which are present in the system for the duration less than 4 days.	ePDG Service	Standard
epdg-apn-qci-durati	qci-calldur-5day	INT32	Gauge	active	Number of bearers with duration less than 5 days.	Increments for the bearers which are present in the system for the duration less than 5 days.	ePDG Service	Standard
p2p	p2p-protocol	STRING	Primary-key	active	The name of the specific P2P protocol.	Not Defined	Not Defined	Standard
p2p	p2p-protocol-group	STRING	Primary-key	active	The associated group for the specific protocol/application.	Not Defined	Not Defined	Standard
p2p	p2p-protocol-sub-group	STRING	Primary-key	active	The associated sub group for the specific protocol/application.	Not Defined	Not Defined	Standard
p2p	p2p-duration-name	STRING	Primary-key	active	The name of the specific protocol for which the total duration is generated.	Not Defined	Not Defined	Standard
p2p	p2p-duration-value	INT64	Incremental	active	The total duration of a specific protocol at a given instance in time.	Increments whenever a detected flow for a specific protocol ends the conversation.	Per Active Charging Service	Standard
p2p	p2p-uplnk-bytes-name	STRING	Primary-key	active	The name of the specific protocol for which the total number of bytes detected in uplink direction (received from MS) is generated.	Not Defined	Not Defined	Standard
p2p	p2p-uplnk-bytes-value	INT64	Incremental	active	The number of bytes of traffic detected in uplink direction for a specific protocol.	Increments when a packet of traffic for a specific protocol is detected by the P2P analyzer.	Per Active Charging Service	Standard
p2p	p2p-dwlnk-bytes-name	STRING	Primary-key	active	The name of the specific protocol for which the total number of bytes detected in downlink direction (sent to MS) is generated.	Not Defined	Not Defined	Standard
p2p	p2p-dwlnk-bytes-value	INT64	Incremental	active	The number of bytes of traffic detected in downlink direction for a specific protocol.	Increments when a packet of traffic for a specific protocol is detected by the P2P analyzer.	Per Active Charging Service	Standard
p2p	p2p-uplnk-pkts-name	STRING	Primary-key	active	The name of the specific protocol for which the total number of packets detected in uplink direction is generated.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
p2p	p2p-uplnk-pkts-value	INT64	Incremental	active	The number of bytes of traffic detected in uplink direction for a specific protocol.	Increments when a packet of traffic for a specific protocol is detected by the P2P analyzer.	Per Active Charging Service	Standard
p2p	p2p-dwlnk-pkts-name	STRING	Primary-key	active	The name of the specific protocol for which the total number of packets detected in downlink direction is generated.	Not Defined	Not Defined	Standard
p2p	p2p-dwlnk-pkts-value	INT64	Incremental	active	The number of bytes of traffic detected in downlink direction for a specific protocol.	Increments when a packet of traffic for a specific protocol is detected by the P2P analyzer.	Per Active Charging Service	Standard
icsr	switchover-number	INT32	Primary-key	active	Identifying number of the switchover since the chassis was last rebooted.	Not Defined	Not Defined	Standard
icsr	switchover-time	STRING	Primary-key	active	Timestamp for when the switchover was initiated.	Not Defined	Not Defined	Standard
icsr	switchover-reason	STRING	Primary-key	active	Reason for switchover (manual, BGP failure, auth probe failure, etc.).	Not Defined	Not Defined	Standard
icsr	switchover-duration	INT64	Primary-key	active	Amount of time it took to complete the switchover.	Not Defined	Not Defined	Standard
icsr	total-num-act-calls-swo-time	INT64	Gauge	active	Total number of active calls at the time of the switchover.	Not Defined	Not Defined	Standard
icsr	total-num-lost-calls-swo-time	INT64	Gauge	active	Total number of data sessions lost due to the switchover.	Not Defined	Not Defined	Standard
icsr	checkpoints-never-sent	INT64	Gauge	active	Total number of SRP checkpoints that were never sent.	Not Defined	Not Defined	Standard
icsr	checkpoints-send-failed	INT64	Gauge	active	Total number of sent SRP checkpoints that failed.	Not Defined	Not Defined	Standard
icsr	audit_number	INT32	Gauge	active	Identifying number of the most recent audit that was performed since the last system reboot.	Not Defined	Not Defined	Standard
icsr	audit_chassis_state	STRING	Gauge	active	Chassis state (active/standby) on which the audit was performed.	Not Defined	Not Defined	Standard
icsr	audit_start_time	STRING	Gauge	active	Timestamp for when the audit was initiated.	Not Defined	Not Defined	Standard
icsr	ext-audit-sync-start-time	STRING	Gauge	active	External audit synchronisation start time on standby chassis.	Not Defined	Not Defined	Standard
icsr	ready-for-switchover-time	STRING	Gauge	active	Timestamp on standby chassis when it is ready for next switchover.	Not Defined	Not Defined	Standard
icsr	audit_duration	INT64	Gauge	active	Amount of time it took to complete the audit.	Not Defined	Not Defined	Standard
icsr	audit_reason	STRING	Gauge	active	Reason for the audit.	Not Defined	Not Defined	Standard
icsr	total_audit_active_sessions	INT64	Gauge	active	Total number of active sessions found during the audit.	Not Defined	Not Defined	Standard
icsr	total_audit_new_sessions	INT64	Gauge	active	Total number of new sessions found during the audit.	Not Defined	Not Defined	Standard
icsr	total_audit_stale_sessions	INT64	Gauge	active	Total number of stale sessions found during the audit.	Not Defined	Not Defined	Standard
icsr	total_audit_inactive_sessions	INT64	Gauge	active	Total number of inactive sessions found during the audit.	Not Defined	Not Defined	Standard
icsr	ecs-sess-sync-ext-audit	INT64	Gauge	active	Total number of ecs sessions found during the audit.	Not Defined	Not Defined	Standard
icsr	total_sessmgr	INT32	Gauge	active	Total number of session manager instances on the chassis.	Not Defined	Not Defined	Standard
icsr	total_sessmgr_active_connected	INT32	Gauge	active	Total number of session managers in the active-connected state.	Not Defined	Not Defined	Standard
icsr	total_sessmgr_standby_connected	INT32	Gauge	active	Total number of session manager instances in the standby-connected state.	Not Defined	Not Defined	Standard
icsr	total_sessmgr_pending_connected	INT32	Gauge	active	Total number of sessions manager instances in the pending-connected state.	Not Defined	Not Defined	Standard
icsr	total_sess_crr_count	INT64	Incremental	active	Total number of currently existing Call Recovery Records (CRRs).	Not Defined	Not Defined	Standard
icsr	total_sess_crr_pre_installed	INT64	Incremental	active	Total number of currently existing pre-installed CRRs.	Not Defined	Not Defined	Standard
icsr	total_first_fc_during_critical_flush	INT64	Gauge	active	Total number of full checkpoints found during critical flush.	Not Defined	Not Defined	Standard
icsr	total-fc-nack-sent	INT64	Incremental	active	Number of NACK sent from Standby due to handling Macro checkpoint failed.	Macro checkpoint handling failed on standby.	Across all Services supporting ICSR.	Standard
icsr	total-fc-nack-rcvd	INT64	Incremental	active	Number of NACK Received from Standby due to handling Macro checkpoint failed.	NACK Received from Standby due to handling of Macro checkpoint failed.	Across all Services supporting ICSR.	Standard
icsr	total-mc-nack-sent	INT64	Incremental	active	Number of NACK sent from Standby due to handling Micro checkpoint failed.	Micro checkpoint handling failed.	Across all Services supporting ICSR.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
icsr	total-mc-nack-rcvd	INT64	Incremental	active	Number of NACK Received from Standby due to handling Micro checkpoint failed.	NACK Received from Standby due to handling of Micro checkpoint failed	Across all Services supporting ICSR.	Standard
icsr	total-nack-reason-ckey-mismatch-sent	INT64	Incremental	active	Number of NACK sent from Standby due to handling Micro checkpoint failed with reason coherency_key mismatch.	Handling of Micro checkpoint failed with reason coherency_key mismatch.	Across all Services supporting ICSR.	Standard
icsr	total-nack-reason-ckey-mismatch-rcvd	INT64	Incremental	active	Number of NACK received from Standby due to handling Micro checkpoint failed with reason coherency_key mismatch.	NACK received from Standby due to handling of Micro checkpoint failed with reason coherency_key mismatch.	Across all Services supporting ICSR	Standard
icsr	total-nack-reason-sess-not-found-sent	INT64	Incremental	active	Number of NACK sent from Standby due to handling Micro checkpoint failed with reason session not found.	Handling of Micro checkpoint failed with reason session not found.	Across all Services supporting ICSR.	Standard
icsr	total-nack-reason-sess-not-found-rcvd	INT64	Incremental	active	Number of NACK received from Standby due to handling Micro checkpoint failed with reason session not found.	NACK received from Standby due to handling of Micro checkpoint failed with reason session not found.	Across all Services supporting ICSR	Standard
icsr	total-nack-reason-appl-failure-sent	INT64	Incremental	active	Number of NACK sent from Standby due to handling of Micro checkpoint failed with reason application failure.	Handling of Micro checkpoint failed with reason application failure.	Across all Services supporting ICSR.	Standard
icsr	total-nack-reason-appl-failure-rcvd	INT64	Incremental	active	Number of NACK received from Standby due to handling Micro checkpoint failed with reason application failure.	NACK received from Standby due to handling of Micro checkpoint failed with reason application failure.	Across all Services supporting ICSR	Standard
icsr	total-num-act-sessions-swo-time	INT64	Gauge	active	Total number of fully connected sessions found during the switchover event.	Not Defined	Not Defined	Standard
icsr	total-num-lost-sessions-swo-time	INT64	Gauge	active	Total number of fully connected sessions lost during the switchover event	Not Defined	Not Defined	Standard
icsr	volte-data-outage-start-time	INT64	Gauge	active	VoLTE data outage start time.	Not Defined	Not Defined	Standard
icsr	volte-data-outage-end-time	INT64	Gauge	active	VoLTE data outage end time.	Not Defined	Not Defined	Standard
icsr	non-volte-data-outage-start-time	INT64	Gauge	active	Non-VoLTE data outage start time	Not Defined	Not Defined	Standard
icsr	non-volte-data-outage-end-time	INT64	Gauge	active	Non-VoLTE data outage end time.	Not Defined	Not Defined	Standard
icsr	critical-flush-duration	INT64	Gauge	active	Amount of time it took to complete the critical flush.	Not Defined	Not Defined	Standard
icsr	volte-flush-duration	INT64	Gauge	active	Amount of time it took to complete the VoLTE flush.	Not Defined	Not Defined	Standard
icsr	non-volte-flush-duration	INT64	Gauge	active	Amount of time it took to complete the Non-VoLTE flush.	Not Defined	Not Defined	Standard
icsr	total-num-checkpoint-fc-flush	INT64	Gauge	active	Total number of full checkpoints flushed during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-checkpoint-critical-mc-flush	INT64	Gauge	active	Total number of critical micro checkpoints flushed during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-checkpoint-mc-flush	INT64	Gauge	active	Total number of micro checkpoints flushed during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-checkpoint-volte-accounting-stat-flush	INT64	Gauge	active	Number of VoLTE accounting stats flushed during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-checkpoint-non-volte-accounting-stat-flush	INT64	Gauge	active	Total number of non-VoLTE accounting stats flushed during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-first-fc-never-sent	INT64	Gauge	active	Total number of first full checkpoints never sent during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-critical-fc-not-sent	INT64	Gauge	active	Total number of critical full checkpoints not sent during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-volte-accounting-stat-not-sent	INT64	Gauge	active	Total number of VoLTE accounting stats not sent during switchover.	Not Defined	Not Defined	Standard
icsr	total-num-nonvolte-accounting-stat-not-sent	INT64	Gauge	active	Total number of non-VoLTE accounting stats not sent during switchover.	Not Defined	Not Defined	Standard
icsr	internal-audit-duration	INT64	Gauge	active	Amount of time it took to complete the internal audit.	Not Defined	Not Defined	Standard
icsr	total-num-fc-encode-failure	INT64	Gauge	active	Number of full checkpoint encoding failures.	Not Defined	Not Defined	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
icsr	total-num-mc-encode-failure	INT64	Gauge	active	Number of micro checkpoint encoding failures.	Not Defined	Not Defined	Standard
icsr	total-num-volte-cap-subs	INT32	Gauge	active	Number of subscribers on the system with VoLTE capable phones prior to switchover.	Not Defined	Not Defined	Standard
icsr	total-num-subs-engaged-voice-call	INT32	Gauge	active	Number of subscribers on the system that were engaged in a voice call prior to switchover.	Not Defined	Not Defined	Standard
icsr	total-num-volte-cap-subs-lost-first-fc-not-sent	INT32	Gauge	active	Number of VoLTE capable subscribers lost during switchover because of first FC is not sent	before the switchover	Not Defined	Standard
icsr	total-num-subs-engaged-voice-call-lost-first-fc-not-sent	INT32	Gauge	active	Number of voice enagaged calls lost during switchover because of first FC not sent	before the switchover	Not Defined	Standard
icsr	total-num-volte-cap-subs-purged-internal-audit	INT32	Gauge	active	Number of VoLTE capable subscribers purged during internal audit after switchover	after the switchover	Not Defined	Standard
icsr	total-num-subs-engaged-voice-call-purged-internal-audit	INT32	Gauge	active	Number of voice enagaged calls purged during internal audit after switchover	after the switchover	Not Defined	Standard
pgw-egtpc-s5s8	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context level	Standard
pgw-egtpc-s5s8	vpnid	INT32	Primary-key	active	The id of the VPN	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s5s8	servname	STRING	Primary-key	active	Egtpc Service Name	Configuration	Per Context level	Standard
pgw-egtpc-s5s8	servid	INT32	Primary-key	active	Egtpc Service Id	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s5s8	interface-type	STRING	Primary-key	active	Display's the interface type applicable to the schema	Configuration	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReserved	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespErrorInd	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPDNReconnecttoAPN Disallowed	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespAccessChngNon3GPP to3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when create session response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when create session response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid message format on interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when create session response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when create session response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUERefuses	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespNoMemory	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReqRejected	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when create session response denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when create session response message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when create session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Create Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespSpare	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when create session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReserved	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when modify bearer response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when modify bearer response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when modify bearer response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when modify bearer response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when modify bearer response message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when modify bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Modify Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Modify Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerrespSpare	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when modify bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReserved	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Unrecognized for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause Unrecognized for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when delete bearer response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause GRE key not found for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Relocation failure for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when delete bearer response denied message is received by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause service denied - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause no memory - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when delete bearer response denied message is received by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause APN congestion for interface s5s8.	This counter is incremented when delete bearer response message is received by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when delete bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Delete Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearerrespSpare	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when delete bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReserved	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when delete session response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when delete session response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when delete session response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when delete session response denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause invalid remote peer reply - for s5-s8 interface	This counter is incremented, when delete session response message is received by the system with cause invalid remote peer reply - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause APN congestion for interface s5s8.	This counter is incremented when delete session response message is received by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when delete session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Delete Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespSpare	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when delete session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReserved	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespNewPDNTypedueto NWPref	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespNewPDNTypedueto SingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when create bearer response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause GRE key not found for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Relocation failure for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when create bearer response denied message is received by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause service denied - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause no memory - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when create bearer response denied message is received by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause APN congestion for interface s5s8.	This counter is incremented when create bearer response message is received by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-crebearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when create bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Create Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-crebearerrespSpare	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when create bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReserved	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespNewPDNTypedueto NWPref	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespNewPDNTypedueto SingleAddrBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when update bearer response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause GRE key not found for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Relocation failure for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when update bearer response denied message is received by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause service denied - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause no memory - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when update bearer response denied message is received by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause APN congestion for interface s5s8.	This counter is incremented when update bearer response message is received by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when update bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Update Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Update Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-updbearerrespSpare	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when update bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReserved	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindLocalDetach	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindErrorInd	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReactivationReq	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReqAccepted	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when delete bearer failure indication message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when delete bearer failure indication message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindInvalidLen	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSystemFailure	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when delete bearer failure indication message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer failure response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when delete bearer failure response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer failure response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when delete bearer failure response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUENotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUERefuses	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindServiceDenied	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindNoMemory	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReqRejected	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer command - failure indication messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when delete bearer command - failure indication is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - messages received by the system with cause APN congestion for interface s5s8.	This counter is incremented when delete bearer failure indication message is received by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delbearerfailindTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when delete bearer failure indication denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Bearer Failure Indication - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Delete Bearer Failure Indication denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-delbearerfailindSpare	INT32	Incremental	active	The total number of tunnel - delete bearer failure indication response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when delete bearer failure indication response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReserved	INT32	Incremental	active	The total number of tunnel - modiy bearer failure indication - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when modiy bearer failure indication message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindLocalDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindCompleteDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindISRDeactivation	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindErrorInd	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReactivationReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindPGWNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindNetworkFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReqAccepted	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindVersionNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindInvalidLen	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindServiceNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSystemFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when modify bearer failure indication message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when modify bearer failure indication message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindRelocationFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindDeniedinRAT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUENotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUERefuses	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindServiceDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindNoMemory	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindUserAuthFailed	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReqRejected	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindPeerNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindInvalidPeer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindAPNCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when modify bearer failure indication message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-modbearerfailindTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Modify Bearer Failure Indication - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Modify Bearer Failure Indication denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-modbearerfailindSpare	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReserved	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindLocalDetach	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindCompleteDetach	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindISRDeactivation	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindErrorInd	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReactivationReq	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPGWNotResponding	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindNetworkFailure	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReqAccepted	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindVersionNotSupported	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - denied messages sent by the system with cause Version Not Supported By Peer on interface s5s8	This counter is incremented when bearer resource command failure indication denied message is sent by the system with cause Version Not Supported By Peer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindInvalidLen	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindServiceNotSupported	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSystemFailure	INT32	Incremental	active	The total number of tunnel - bearer resouce command failure indication - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when bearer resouce command failure indication message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - bearer resource command failure indication - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when bearer resource command failure indication message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - bearer resource command failure response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when bearer resource command failure response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - bearer resource command failure response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when bearer resource command failure response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindRelocationFailure	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindDeniedinRAT	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUENotResponding	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUERefuses	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindServiceDenied	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindNoMemory	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUserAuthFailed	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReqRejected	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure indication messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when bearer resource command - failure indication message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindPeerNotRespondin g	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindCollisionWithNWInit Req	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUEPageUnableduet oSusp	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindConditionalIEMissin g	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindAPNRestrictionTyp eIncompatible	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindInvalidLenPiggyBac kedMsg	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindInvalidPeer	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindAPNCongestion	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when bearer resource failure indication message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-bearerrscfailindUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Bearer Resource Failure Indication - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Bearer Resource Failure Indication denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearerrscfailindSpare	INT32	Incremental	active	The total number of tunnel - bearer resource failure indication - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when bearer resource failure indication denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReserved	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespLocalDetach	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespErrorInd	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReactivationReq	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReqAccepted	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Version Not Supported By Peer on interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause Version Not Supported By Peer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespInvalidLen	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSystemFailure	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - change notification response - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when change notification response message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - change notification response - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when change notification response message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUENotResponding	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespUERefuses	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespServiceDenied	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespNoMemory	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReqRejected	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when change notification response denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUEPageUnabledueToSusp	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - change notify response - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when change notify response denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - change notification response - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when change notification response message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when change notification response denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-changenotifrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Change Notification Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Change Notification Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotifrespSpare	INT32	Incremental	active	The total number of tunnel - change notification response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when change notification response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackReserved	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackLocalDetach	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackCompleteDetach	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackISRDeactivation	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackErrorInd	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackReactivationReq	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPGWNotResponding	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackNetworkFailure	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackReqAccepted	INT32	Incremental	active	The total number of tunnel - suspend ack - messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when suspend ack message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - suspend ack - messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when suspend ack message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackVersionNotSupported	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackInvalidLen	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackServiceNotSupported	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSystemFailure	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when suspend acknowledgement message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when suspend acknowledgement message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - suspend acknowledgement - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when suspend acknowledgement message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackRelocationFailure	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackDeniedinRAT	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUENotResponding	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUERefuses	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackServiceDenied	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackNoMemory	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUserAuthFailed	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackReqRejected	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when suspend ack denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackPeerNotResponding	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when suspend ack denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackInvalidPeer	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackAPNCongestion	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when suspend acknowledge message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-suspendackMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - suspend acknowledge - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when suspend acknowledge denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Suspend Acknowledge - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Suspend Acknowledge denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-suspendackSpare	INT32	Incremental	active	The total number of tunnel - suspend ack - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when suspend ack denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReserved	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Reserved for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Reserved for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackLocalDetach	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Local Detach for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Local Detach for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackCompleteDetach	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Complete Detach for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Complete Detach for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackISRDeactivation	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause ISR Deactivation for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause ISR Deactivation for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackErrorInd	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause IMSI Detach Only for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause IMSI Detach Only for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReactivationReq	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Reactivation Requested for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Reactivation Requested for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s5s8	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackPGWNotResponding	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause PGW Not Responding on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause PGW Not Responding on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackNetworkFailure	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Network Failure on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause Network Failure on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause QoS Parameter Mismatch on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause QoS Parameter Mismatch on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReqAccepted	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Request Accepted on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause Request Accepted on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Request Accepted Partially on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause Request Accepted Partially on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause New PDN Type due to Network Preference on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause New PDN Type due to Network Preference on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Context Not Existent on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause Context Not Existent on S5S8 interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Invalid Message Format on interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause Invalid Message Format on S5S8 interface.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackVersionNotSupported	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Version Not Supported By Peer for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Version Not Supported By Peer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackInvalidLen	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Invalid Length for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Invalid Length for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackServiceNotSupported	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Service Not Supported for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Service Not Supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Mandatory IE Incorrect for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Mandatory IE Incorrect for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause Mandatory IE Missing for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause Mandatory IE Missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSystemFailure	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause System Failure for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause System Failure for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages sent by the system with cause No Resources Available for interface s5s8.	This counter is incremented when resume acknowledgement message is sent by the system with cause No Resources Available for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages received by the system with cause Semantic error in TFT for interface s5s8.	This counter is incremented when resume acknowledgement message is received by the system with cause Semantic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - resume acknowledgement - messages received by the system with cause syntactic error in TFT for interface s5s8.	This counter is incremented when resume acknowledgement message is received by the system with cause syntactic error in TFT for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Semantic error in pkt filter for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Semantic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Syntactic error in pkt filter for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Syntactic error in pkt filter for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Missing or unknown APN for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Missing or unknown APN for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause GRE key not found for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause GRE key not found for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackRelocationFailure	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Relocation failure for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Relocation failure for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackDeniedinRAT	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Denied in RAT for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Denied in RAT for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Preffered PDN type not supported for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Preffered PDN type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause All dynamic addresses are occupied for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause All dynamic addresses are occupied for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause UE context without TFT already activated for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause UE context without TFT already activated for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Protocol type not supported for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Protocol type not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUENotResponding	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause UE not responding - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause UE not responding - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUERefuses	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause UE refuses - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause UE refuses - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackServiceDenied	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause service denied - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause service denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause unable to page UE - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause unable to page UE - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackNoMemory	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause no memory - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause no memory - for s5s8 interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackUserAuthFailed	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause user authentication failed - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause user authentication failed - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause apn access denied - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause apn access denied - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReqRejected	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause request rejected - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause request rejected - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause PTMSI signature mismatch - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause PTMSI sig mismatch - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause IMSI/IMEI not known - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause IMSI/IMEI not known - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause semantic error in TAD operation - for s5-s8 interface	This counter is incremented, when resume ack denied message is sent by the system with cause semantic error in TAD operation - for s5s8 interface	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Syntatic error in TAD operation for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Syntatic error in TAD operation for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackPeerNotResponding	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Remote peer not responding for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Remote peer not responding for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Collision with network initiated request for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Collision with network initiated request for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Unable to page UE due to Suspension for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Conditional IE missing for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Conditional IE missing for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause APN Restriction type Incompatible for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause APN Restriction type Incompatible for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause Data forwarding not supported for interface s5s8.	This counter is incremented when resume ack denied message is sent by the system with cause Data forwarding not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages received by the system with cause invalid remote peer reply for interface s5s8.	This counter is incremented when resume acknowledge message is received by the system with cause invalid remote peer reply for interface s5s8	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause Fall back to GTPV1 for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause Fall back to GTPV1 for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackInvalidPeer	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause Invalid Peer for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause Invalid Peer for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause temporary reject due to handover in progress for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause temporary reject due to handover in progress for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause Modify not limited to S1U Bearer for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackAPNCongestion	INT32	Incremental	active	The total number of tunnel - resume acknowledge - messages sent by the system with cause APN congestion for interface s5s8.	This counter is incremented when resume acknowledge message is sent by the system with cause APN congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Bearer handling not supported for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Bearer handling not supported for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause UE already re-attached for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause UE already re-attached for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause Target access restricted for the subscriber for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause Target access restricted for the subscriber for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-resumeackRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - resume acknowledge - denied messages sent by the system with cause GTP-C Entity Congestion for interface s5s8.	This counter is incremented when resume acknowledge denied message is sent by the system with cause GTP-C Entity Congestion for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Resume Acknowledge - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	This counter is incremented when the Resume Acknowledge denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-resumeackSpare	INT32	Incremental	active	The total number of tunnel - resume ack - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	This counter is incremented when resume ack denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s5s8	Per Egtpc Service Level	Standard
pgw-egtpc-s5s8	tun-recv-cresess	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system on S5S8 interface.	This counter is incremented when create session request message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-retranscresess	INT32	Incremental	active	The total number of tunnel - retransmitted create session request messages received by the system on S5S8 interface.	This counter is incremented when retransmitted create session request message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-cresessreqDiscard	INT32	Incremental	active	The total number of tunnel - create session request messages discarded by the system on S5S8 interface.	This counter is incremented when create session request is Discarded on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-cresessresp	INT32	Incremental	active	The total number of tunnel - create session response messages sent by the system on S5S8 interface	This counter is incremented when create session response message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespaccept	INT32	Incremental	active	The total number of tunnel - create session response - accepted messages sent by the system on S5S8 interface	This counter is incremented when create session response accepted message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-cresessrespdenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system on S5S8 interface	This counter is incremented when create session response denied message is sent by the system on S5S8 interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-retranscresessresp	INT32	Incremental	active	The total number of tunnel - retransmitted create session response - messages sent by the system on S5S8 interface	This counter is incremented when retransmitted create session response message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-modbearreq	INT32	Incremental	active	The total number of tunnel - modify bearer request messages received by the system on S5S8 interface	This counter is incremented when modify bearer request message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-retransmodbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer request messages received by the system on S5S8 interface	This counter is incremented when retransmitted modify bearer request message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-modbearreqDiscard	INT32	Incremental	active	The total number of tunnel - modify bearer request messages discarded by the system on S5S8 interface	This counter is incremented when modify bearer request message is Discarded on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-modbearresp	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system on S5S8 interface.	This counter is incremented when modify bearer response message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-modbearrespaccept	INT32	Incremental	active	The total number of tunnel - modify bearer response - accepted messages sent by the system on S5S8 interface.	This counter is incremented when Modify bearer response accepted message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-modbearrespdenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system on S5S8 interface.	This counter is incremented when modify bearer response denied message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-retransmodbearresp	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer response - messages sent by the system on S5S8 interface.	This counter is incremented when retransmitted modify bearer response message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delsessreq	INT32	Incremental	active	The total number of tunnel - delete session request messages recieved by the system on S5S8 interface.	This counter is incremented when delete session request message is received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delsessreqDiscard	INT32	Incremental	active	The total number of tunnel - delete session request messages discarded by the system on S5S8 interface	This counter is incremented when delete session request message is Discarded on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-delsessresp	INT32	Incremental	active	The total number of tunnel - delete session response messages sent by the system on S5S8 interface.	This counter is incremented when delete session response message is sent by the system on S5S8 interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-delsessrespaccept	INT32	Incremental	active	The total number of tunnel - delete session response - accepted messages sent by the system on S5S8 interface.	This counter is incremented when delete session response accepted message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-delsessrespdenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system on S5S8 interface.	This counter is incremented when delete session response denied message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-crebear	INT32	Incremental	active	The total number of tunnel - create bearer request messages sent by the system on S5S8 interface.	This counter is incremented when create bearer request message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-retranscrebear	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer request messages sent by the system on S5S8 interface.	This counter is incremented when retransmitted create bearer request message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-crebearNorsp	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system on S5S8 interface with cause Norsp.	This counter is incremented when create bearer request message request message is received for which there is no response	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-crebearresp	INT32	Incremental	active	The total number of tunnel - create bearer response messages received by the system on S5S8 interface.	This counter is incremented when create bearer response message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-crebearrespDiscard	INT32	Incremental	active	The total number of tunnel - create bearer request messages discarded by the system on S5S8 interface	This counter is incremented when create bearer request message is Discarded on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-crebearrespaccept	INT32	Incremental	active	The total number of tunnel - create bearer response - accepted messages received by the system on S5S8 interface.	This counter is incremented when create bearer response accepted messag is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-crebearrespdenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system on S5S8 interface.	This counter is incremented when create bearer response denied message is received by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-updbearreq	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S5S8 interface.	This counter is incremented when update bearer request messages sent by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-retransupdbearreq	INT32	Incremental	active	The total number of retransmitted update bearer request messages sent by the system on S5S8 interface.	This counter is incremented when retransmitted update bearer request messages sent by the system on S5S8 interface.	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-updbearNorsp	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S5S8 interface for which for which we have not received any response.	This counter is incremented when update bearer request message is sent by the system on S5S8 interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-updbearresp	INT32	Incremental	active	The total number of update bearer response messages received by the system on S5S8 interface.	This counter is incremented when update bearer response messages received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-updbearrespDiscard	INT32	Incremental	active	The total number of update bearer response messages discarded by the system on S5S8 interface.	This counter is incremented when update bearer response messages discarded by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-updbearrespaccept	INT32	Incremental	active	The total number of update bearer response - accepted messages received by the system on S5S8 interface.	This counter is incremented when update bearer response messages with accepted cause is received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-updbearrespdenied	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system on S5S8 interface.	This counter is incremented when update bearer response - denied messages received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-delbearreq	INT32	Incremental	active	The total number of tunnel - delete bearer request messages sent by the system on S5S8 interface.	This counter is incremented when delete bearer request message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-retransdelbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete bearer request messages sent by the system on S5S8 interface.	This counter is incremented when retransmitted delete bearer request message is sent by the system on S5S8 interface	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delbearNorsp	INT32	Incremental	active	The total number of delete bearer request messages sent by the system on S5S8 interface for which we have not received any response.	This counter is incremented when Delete Bearer Request message is sent by the system on S5S8 interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delbearresp	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S5S8 interface.	This counter is incremented when Delete Bearer Response message is received by system on S5S8 interface .	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delbearrespDiscard	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S5S8 interface for which we dont have any transaction.	This counter is incremented when Delete Bearer Response message is received by the system on S5S8 interface for which we dont have any transaction.	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-recv-delbearrespaccept	INT32	Incremental	active	The total number of delete bearer response - accepted messages received by the system on S5S8 interface.	This counter is incremented when Delete Bearer Response message with accepted cause is received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-delbearrespdenied	INT32	Incremental	active	The total number of delete bearer response with Reject Response received by the system on S5S8 interface.	This counter is incremented when Delete Bearer Response with Reject Response is received by system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-modbearcmd	INT32	Incremental	active	The total number of modify bearer command messages received by the system on S5S8 interface.	This counter is incremented when modify bearer command messages received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-retransmodbearcmd	INT32	Incremental	active	The total number of retransmitted modify bearer command messages received by the system on S5S8 interface.	This counter is incremented when retransmitted modify bearer command messages received by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-recv-modbearcmdDiscard	INT32	Incremental	active	The total number of modify bearer command messages discarded by the system on S5S8 interface.	This counter is incremented when modify bearer command message is discarded by the system on S5S8 interface.	Per egtpc service	Standard
pgw-egtpc-s5s8	tun-sent-modbearfail	INT32	Incremental	active	The total number of modify bearer command - failure indication messages sent by the system for interface s5s8.	This counter is incremented when modify bearer command - failure indication messages sent by the system.	Per EGTPC service instance for interface s5s8	Standard
pgw-egtpc-s5s8	tun-sent-retransmodbearfail	INT32	Incremental	active	The total number of retransmitted modify bearer command - failure indication messages sent by the system for interface s5s8.	This counter is incremented when retransmitted modify bearer command - failure indication message is retransmitted by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-bearrescmd	INT32	Incremental	active	The total number of tunnel - bearer resource command messages received by the system for interface s5s8.	This counter is incremented when bearer resources command message is received by the system for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-retransbearrescmd	INT32	Incremental	active	The total number of tunnel - retransmitted bearer resource command messages received by the system for interface s5s8.	This counter is incremented when retransmitted bearer resource command message is received by the system for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-bearrescmdDiscard	INT32	Incremental	active	The total number of tunnel - bearer resource command messages received by the system with cause Discard for interface s5s8.	This counter is incremented when bearer resource command message is Discarded for interface s5s8.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-bearrescmd-fail	INT32	Incremental	active	The total number of tunnel - bearer resource command - failure messages sent by the system for interface s5s8.	This counter is incremented when bearer resource command failure message is sent by the system for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-sent-retransbearrescmd-fail	INT32	Incremental	active	The total number of tunnel - retransmitted bearer resource command - failure messages sent by the system for interface s5s8.	This counter is incremented when bearer resource command failure message is sent by the system for interface s5s8.	Per egtpc service level	Standard
pgw-egtpc-s5s8	tun-recv-delbearcmd	INT32	Incremental	active	The total number of delete bearer command messages received by the system for interface s5s8.	This counter is incremented when delete bearer command messages received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-retransdelbearcmd	INT32	Incremental	active	The total number of retransmitted delete bearer command messages received by the system for interface s5s8.	This counter is incremented when retransmitted delete bearer command messages received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-delbearcmdDiscard	INT32	Incremental	active	The total number of delete bearer command messages discarded by the system for interface s5s8.	This counter is incremented when delete bearer command messages is discarded by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-delbearfail	INT32	Incremental	active	The total number of delete bearer command - failure indication messages sent by the system for interface s5s8.	This counter is incremented when delete bearer command - failure indication messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-retransdelbearfail	INT32	Incremental	active	The total number of retransmitted delete bearer command - failure indication messages sent by the system. In Release 17.1 and later, this statistic is deprecated for interface s5s8.	This counter is incremented when retransmitted delete bearer command - failure indication messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-changenotfreq	INT32	Incremental	active	The total number of change notification requests received by the system for interface s5s8.	This counter is incremented when change notification request is received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-retranschangenotfreq	INT32	Incremental	active	The total number of retransmitted change notification requests received by the system for interface s5s8.	This counter is incremented when retransmitted change notification request is received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-changenotfreqDiscard	INT32	Incremental	active	The total number of change notification requests discarded by the system for interface s5s8.	This counter is incremented when change notification request is discarded by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-changenotfresp	INT32	Incremental	active	The total number of change notification responses, sent by the system for interface s5s8.	This counter is incremented when change notification response is sent by the system for interface s5s8.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-changenotfrespaccept	INT32	Incremental	active	The total number of change notification responses, sent by the system with cause accepted for interface s5s8.	This counter is incremented when change notification response is sent by the system with cause accepted for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-changenotfrespdenied	INT32	Incremental	active	The total number of change notification responses, sent by the system with reject responses for interface s5s8.	This counter is incremented when change notification response is sent by the system with reject responses for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-retranschangenotfresp	INT32	Incremental	active	The total number of retransmitted change notification responses, sent by the system for interface s5s8.	This counter is incremented when retransmitted change notification response is sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-sent-echoreq	INT32	Incremental	active	The total number of echo request messages sent by the system for interface s5s8.	This counter is incremented when echo request messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-sent-retransechoreq	INT32	Incremental	active	The total number of - retransmitted echo request messages sent by the system for interface s5s8.	This counter is incremented when retransmitted echo request messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-recv-echoreq	INT32	Incremental	active	The total number of echo request messages received by the system for interface s5s8.	This counter is incremented when echo request messages received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-sent-echoresp	INT32	Incremental	active	The total number of echo response messages sent by the system for interface s5s8.	This counter is incremented when echo response messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-recv-echoresp	INT32	Incremental	active	The total number of echo response messages received by the system for interface s5s8.	This counter is incremented when echo response messages received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-sent-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages sent by the system for interface s5s8.	This counter is incremented when of version not supported indication messages sent by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	path-recv-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages received by the system for interface s5s8.	This counter is incremented when version not supported indication messages received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	trace-recv-activate	INT32	Incremental	active	The total number of activate messages received by the system for interface s5s8.	This counter is incremented when activate message is received by the system for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	trace-recv-deactivate	INT32	Incremental	active	The total number of deactivate messages received by the system for interface s5s8.	This counter is incremented when deactivate message is received by the system for interface s5s8.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	csfb-recv-suspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages received by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend notification messages received by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-recv-retranssuspendnotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted suspend notification messages received by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback retransmitted suspend notification messages received by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-recv-suspendnotfDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend notification messages discarded by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend notification messages discarded by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-suspendack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement messages sent by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement messages sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-suspendackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement accepted messages sent by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement accepted messages sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-suspendackdenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement denied messages sent by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement denied messages sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-retranssuspendack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of suspend acknowledgement retransmitted messages sent by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback suspend acknowledgement retransmitted messages sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-recv-resumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages received by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback resume notification messages received by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-recv-retransresumenotf	INT32	Incremental	active	Circuit-Switched Fallback - The total number of retransmitted resume notification messages received by this service for interface s5s8.	This counter is incremented when retransmitted resume notification messages received by this service for interface s5s8.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	csfb-recv-resumenotfDiscard	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume notification messages discarded by this service for interface s5s8.	This counter is incremented when resume notification message is discarded by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-resumeack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement message sent by this service for interface s5s8.	This counter is incremented when resume acknowledgement message sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-resumeackaccept	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement accepted messages sent by this service for interface s5s8.	This counter is incremented when Circuit-Switched Fallback resume acknowledgement accepted messages sent by this service for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-resumeackdenied	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement messages sent by this service with reject response for interface s5s8.	This counter is incremented when resume acknowledgement messages sent by this service with reject response for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	csfb-sent-retransresumeack	INT32	Incremental	active	Circuit-Switched Fallback - The total number of resume acknowledgement messages restransmitted by this service with reject response for interface s5s8.	This counter is incremented when resume acknowledgement messages restransmitted by this service with reject response for interface s5s8.	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	IncSigPkt	INT64	Incremental	active	The total number of incoming signalling packets received on the interface s5s8.	This counter is incremented when signaling packets are received on the interface s5s8	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	IncSigOct	INT64	Incremental	active	The total number of incoming signalling octets received on the interface s5s8.	This counter is incremented when signaling octets are recevied on the interface s5s8	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	OutSigPkt	INT64	Incremental	active	The total number of outgoing signalling packets sent out on the interface s5s8.	This counter is incremented when signaling packets are sent out on the interface s5s8	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	OutSigOct	INT64	Incremental	active	The total number of outgoing signalling octets sent out on the interface s5s8.	This counter is incremented when signaling octets are sent out on the interface s5s8	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-cresessreq-emps	INT32	Incremental	active	The total number of tunnel - create session request - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when a create session request message is received by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s5s8	tun-sent-cresessresp-emps	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when a create session response message is sent by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-modbearerreq-emps	INT32	Incremental	active	The total number of tunnel - modify bearer request - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when modify bearer request message is received by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-modbearerresp-emps	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when modify bearer response message is sent by the PGW/SAEGW for eMPS subscriber on interface s5s8 . This will reset after bulkstat interve	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-crebearerreq-emps	INT32	Incremental	active	The total number of tunnel - create bearer request - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when create bearer request message is sent by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-crebearerresp-emps	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when create bearer response message is received by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-sent-updbearerreq-emps	INT32	Incremental	active	The total number of tunnel - update bearer request - messages sent by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when update bearer request message is sent by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s5s8	tun-recv-updbearerresp-emps	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system for eMPS subscriber on interface s5s8. This stat is for current bulkstat interval only.	This counter is incremented when update bearer response message is received by the PGW/SAEGW for eMPS subscriber on interface s5s8. This will reset after bulkstat intervel	Per EGTPC service instance	Standard
pgw-egtpc-s2a	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context Level	Standard
pgw-egtpc-s2a	vpnid	INT32	Primary-key	active	The id of the VPN	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s2a	servname	STRING	Primary-key	active	Egtpc Service Name	Configuration	Per Context level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	servid	INT32	Primary-key	active	Egtpc Service Id	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s2a	interface-type	STRING	Primary-key	active	Display's the interface type applicable to the schema	Configuration	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReserved	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when create session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when create session response message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespErrorInd	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when create session response message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when create session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when create session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when create session response message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when create session response message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when create session response denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when create session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when create session response message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when create session response message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when create session response message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when create session response message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GRE key not found for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Relocation failure for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Denied in RAT for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespUERefuses	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE refuses - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause service denied - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause service denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause unable to page UE - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespNoMemory	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause no memory - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause no memory - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause user authentication failed - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause apn access denied - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReqRejected	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause request rejected - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when create session response denied message is sent by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when create session response message is sent by the system with cause invalid remote peer reply for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Peer for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when create session response message is sent by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when create session response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause APN congestion for interface s2a.	This counter is incremented when create session response message is sent by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when create session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Create Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-cresessrespSpare	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when create session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespReserved	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when delete bearer response message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause GRE key not found for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Relocation failure for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Denied in RAT for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when delete bearer response denied message is received by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE not responding - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE refuses - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause service denied - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause service denied - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause unable to page UE - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause no memory - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause no memory - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause user authentication failed - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause apn access denied - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause request rejected - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when delete bearer response denied message is received by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause invalid remote peer reply for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Invalid Peer for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause APN congestion for interface s2a.	This counter is incremented when delete bearer response message is received by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-delbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when delete bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Delete Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-delbearerrespSpare	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when delete bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReserved	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when delete session response message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when delete session response message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when delete session response denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when delete session response message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when delete session response message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GRE key not found for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Relocation failure for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Denied in RAT for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE not responding - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE refuses - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause service denied - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause service denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause unable to page UE - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause no memory - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause no memory - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause user authentication failed - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause apn access denied - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause request rejected - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when delete session response denied message is sent by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause invalid remote peer reply for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Invalid Peer for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause APN congestion for interface s2a.	This counter is incremented when delete session response message is sent by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-delsessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when delete session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Delete Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-delsessrespSpare	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when delete session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReserved	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespNewPDNTypedueto NWPref	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespNewPDNTypedueto SingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when create bearer response message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause GRE key not found for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Relocation failure for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Denied in RAT for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when create bearer response denied message is received by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE not responding - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE refuses - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause service denied - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause service denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause unable to page UE - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause no memory - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause no memory - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause user authentication failed - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause apn access denied - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause request rejected - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when create bearer response denied message is received by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause invalid remote peer reply for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Invalid Peer for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause APN congestion for interface s2a.	This counter is incremented when create bearer response message is received by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when create bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Create Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-crebearerrespSpare	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when create bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReserved	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when update bearer response message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause GRE key not found for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Relocation failure for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Denied in RAT for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when update bearer response denied message is received by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE not responding - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE refuses - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause service denied - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause service denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause unable to page UE - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause no memory - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause no memory - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause user authentication failed - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause apn access denied - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause request rejected - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when update bearer response denied message is received by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause invalid remote peer reply for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Invalid Peer for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause APN congestion for interface s2a.	This counter is incremented when update bearer response message is received by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-updbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when update bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Update Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Update Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-recv-updbearerrespSpare	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when update bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReserved	INT32	Incremental	active	The total number of tunnel - modiy bearer failure indication - messages sent by the system with cause Reserved for interface s2a.	This counter is incremented when modiy bearer failure indication message is sent by the system with cause Reserved for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindLocalDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Local Detach for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Local Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindCompleteDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Complete Detach for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Complete Detach for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2a	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindISRDeactivation	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause ISR Deactivation for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause ISR Deactivation for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindErrorInd	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause IMSI Detach Only for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause IMSI Detach Only for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReactivationReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Reactivation Requested for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Reactivation Requested for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2a	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPGWNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause PGW Not Responding on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause PGW Not Responding on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindNetworkFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Network Failure on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Network Failure on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause QoS Parameter Mismatch on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReqAccepted	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted on interface S2A	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted Partially on interface S2A	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted Partially on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Network Preference on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Context Not Existent on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Context Not Existent on S2A interface.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid Message Format on interface S2A	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid Message Format on S2A interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindVersionNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Version Not Supported By Peer for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Version Not Supported By Peer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindInvalidLen	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Length for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Length for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindServiceNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Service Not Supported for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Service Not Supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Incorrect for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Incorrect for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Missing for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSystemFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause System Failure for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause System Failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause No Resources Available for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause No Resources Available for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause Semantic error in TFT for interface s2a.	This counter is incremented when modify bearer failure indication message is received by the system with cause Semantic error in TFT for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause syntactic error in TFT for interface s2a.	This counter is incremented when modify bearer failure indication message is received by the system with cause syntactic error in TFT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Semantic error in pkt filter for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Semantic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntactic error in pkt filter for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Missing or unknown APN for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Missing or unknown APN for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GRE key not found for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GRE key not found for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindRelocationFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Relocation failure for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Relocation failure for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindDeniedinRAT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Denied in RAT for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Denied in RAT for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Preffered PDN type not supported for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Preffered PDN type not supported for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause All dynamic addresses are occupied for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE context without TFT already activated for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE context without TFT already activated for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Protocol type not supported for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Protocol type not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUENotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause UE not responding - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE not responding - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUERefuses	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause UE refuses - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE refuses - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindServiceDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause service denied - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause service denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause unable to page UE - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause unable to page UE - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindNoMemory	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause no memory - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause no memory - for s2a interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindUserAuthFailed	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause user authentication failed - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause user authentication failed - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause apn access denied - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause apn access denied - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReqRejected	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause request rejected - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause request rejected - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause PTMSI signature mismatch - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause PTMSI sig mismatch - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause IMSI/IMEI not known - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause IMSI/IMEI not known - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indication messages sent by the system with cause semantic error in TAD operation - for s2a interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause semantic error in TAD operation - for s2a interface	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntatic error in TAD operation for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindPeerNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Remote peer not responding for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Remote peer not responding for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Collision with network initiated request for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Collision with network initiated request for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindConditionalIEMissi ng	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Conditional IE missing for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Conditional IE missing for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindAPNRestrictionTy peIncompatible	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause APN Restriction type Incompatible for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindInvalidLenPiggyBa ckedMsg	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindDataFwdNotSupp orted	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Data forwarding not supported for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Data forwarding not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindInvalidRemotePee rReply	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause invalid remote peer reply for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause invalid remote peer reply for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Fall back to GTPV1 for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Fall back to GTPV1 for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindInvalidPeer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Peer for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Peer for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause temporary reject due to handover in progress for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause temporary reject due to handover in progress for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Modify not limited to S1U Bearer for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindAPNCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause APN congestion for interface s2a.	This counter is incremented when modify bearer failure indication message is sent by the system with cause APN congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Bearer handling not supported for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Bearer handling not supported for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE already re-attached for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE already re-attached for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Target access restricted for the subscriber for interface s2a.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-modbearerfailindRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2a.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GTP-C Entity Congestion for interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Modify Bearer Failure Indication - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	This counter is incremented when the Modify Bearer Failure Indication denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2a.	Per egtpc service level	Standard
pgw-egtpc-s2a	tun-sent-modbearerfailindSpare	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2a	Per Egtpc Service Level	Standard
pgw-egtpc-s2a	tun-recv-cresess	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system on S2A interface	This counter is incremented when create session request message is received by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-retranscresess	INT32	Incremental	active	The total number of tunnel - retransmitted create session request messages received by the system on S2A interface.	This counter is incremented when retransmitted create session request message is received by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-cresessreqDiscard	INT32	Incremental	active	The total number of tunnel - create session request messages discarded by the system on S2A interface	This counter is incremented when create session request message is Discarded on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-cresessresp	INT32	Incremental	active	The total number of tunnel - create session response messages sent by the system on S2A interface	This counter is incremented when create session response message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-cresessrespaccept	INT32	Incremental	active	The total number of tunnel - create session response - accepted messages sent by the system on S2A interface	This counter is incremented when create session response accepted message is sent by the system on S2A interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-cresessrespdenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system on S2A interface	This counter is incremented when create session response denied message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-retranscresessresp	INT32	Incremental	active	The total number of tunnel - retransmitted create session response - messages sent by the system on S2A interface	This counter is incremented when retransmitted create session response message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delsessreq	INT32	Incremental	active	The total number of tunnel - delete session request messages recieved by the system on S2A interface.	This counter is incremented when delete session request message is received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delsessreqDiscard	INT32	Incremental	active	The total number of tunnel - delete session request messages discarded by the system on S2A interface	This counter is incremented when delete session request message is Discarded on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-delsessresp	INT32	Incremental	active	The total number of tunnel - delete session response messages sent by the system on S2A interface.	This counter is incremented when delete session response message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-delsessrespaccept	INT32	Incremental	active	The total number of tunnel - delete session response - accepted messages sent by the system on S2A interface.	This counter is incremented when delete session response accepted message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-delsessrespdenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system on S2A interface.	This counter is incremented when delete session response denied message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-crebear	INT32	Incremental	active	The total number of tunnel - create bearer request messages sent by the system on S2A interface.	This counter is incremented when create bearer request message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-retranscrebear	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer request messages sent by the system on S2A interface.	This counter is incremented when retransmitted create bearer request message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-crebearNorsp	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system on S2A interface with cause Norsp.	This counter is incremented when create bearer request message request message is received for which there is no response	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-crebearresp	INT32	Incremental	active	The total number of tunnel - create bearer response messages received by the system on S2A interface.	This counter is incremented when create bearer response message is received by the system on S2A interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-recv-crebearrespDiscard	INT32	Incremental	active	The total number of tunnel - create bearer request messages discarded by the system on S2A interface	This counter is incremented when create bearer request message is Discarded on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-crebearrespaccept	INT32	Incremental	active	The total number of tunnel - create bearer response - accepted messages received by the system on S2A interface.	This counter is incremented when create bearer response accepted messag is received by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-crebearrespdenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system on S2A interface.	This counter is incremented when create bearer response denied message is received by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-updbearreq	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S2A interface.	This counter is incremented when update bearer request messages sent by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-retransupdbearreq	INT32	Incremental	active	The total number of retransmitted update bearer request messages sent by the system on S2A interface.	This counter is incremented when retransmitted update bearer request messages sent by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-updbearNorsp	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S2A interface for which for which we have not received any response.	This counter is incremented when update bearer request message is sent by the system on S2A interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-updbearresp	INT32	Incremental	active	The total number of update bearer response messages received by the system on S2A interface.	This counter is incremented when update bearer response messages received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-updbearrespDiscard	INT32	Incremental	active	The total number of update bearer response messages discarded by the system on S2A interface.	This counter is incremented when update bearer response messages discarded by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-updbearrespaccept	INT32	Incremental	active	The total number of update bearer response - accepted messages received by the system on S2A interface.	This counter is incremented when update bearer response messages with accepted cause is received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-updbearrespdenied	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system on S2A interface.	This counter is incremented when update bearer response - denied messages received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-delbearreq	INT32	Incremental	active	The total number of tunnel - delete bearer request messages sent by the system on S2A interface.	This counter is incremented when delete bearer request message is sent by the system on S2A interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-retransdelbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete bearer request messages sent by the system on S2A interface.	This counter is incremented when retransmitted delete bearer request message is sent by the system on S2A interface	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delbearNorsp	INT32	Incremental	active	The total number of delete bearer request messages sent by the system on S2A interface for which we have not received any response.	This counter is incremented when Delete Bearer Request message is sent by the system on S2A interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delbearresp	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S2A interface.	This counter is incremented when Delete Bearer Response message is received by system on S2A interface .	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delbearrespDiscard	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S2A interface for which we dont have any transaction.	This counter is incremented when Delete Bearer Response message is received by the system on S2A interface for which we dont have any transaction.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delbearrespaccept	INT32	Incremental	active	The total number of delete bearer response - accepted messages received by the system on S2A interface.	This counter is incremented when Delete Bearer Response message with accepted cause is received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-delbearrespdenied	INT32	Incremental	active	The total number of delete bearer response with Reject Response received by the system on S2A interface.	This counter is incremented when Delete Bearer Response with Reject Response is received by system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-modbearcmd	INT32	Incremental	active	The total number of modify bearer command messages received by the system on S2A interface.	This counter is incremented when modify bearer command messages received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-retransmodbearcmd	INT32	Incremental	active	The total number of retransmitted modify bearer command messages received by the system on S2A interface.	This counter is incremented when retransmitted modify bearer command messages received by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-recv-modbearcmdDiscard	INT32	Incremental	active	The total number of modify bearer command messages discarded by the system on S2A interface.	This counter is incremented when modify bearer command message is discarded by the system on S2A interface.	Per egtpc service	Standard
pgw-egtpc-s2a	tun-sent-modbearfail	INT32	Incremental	active	The total number of modify bearer command - failure indication messages sent by the system for interface s2a.	This counter is incremented when modify bearer command - failure indication messages sent by the system for interface s2a.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	tun-sent-retransmodbearfail	INT32	Incremental	active	The total number of retransmitted modify bearer command - failure indication messages sent by the system for interface s2a.	This counter is incremented when retransmitted modify bearer command - failure indication message is retransmitted by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-sent-echoreq	INT32	Incremental	active	The total number of echo request messages sent by the system for interface s2a.	This counter is incremented when echo request messages sent by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-sent-retransechoreq	INT32	Incremental	active	The total number of - retransmitted echo request messages sent by the system for interface s2a.	This counter is incremented when retransmitted echo request messages sent by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-recv-echoreq	INT32	Incremental	active	The total number of echo request messages received by the system for interface s2a.	This counter is incremented when echo request messages received by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-sent-echoresp	INT32	Incremental	active	The total number of echo response messages sent by the system for interface s2a.	This counter is incremented when echo response messages sent by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-recv-echoresp	INT32	Incremental	active	The total number of echo response messages received by the system for interface s2a.	This counter is incremented when echo response messages received by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-sent-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages sent by the system for interface s2a.	This counter is incremented when of version not supported indication messages sent by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	path-recv-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages received by the system for interface s2a.	This counter is incremented when version not supported indication messages received by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	trace-recv-activate	INT32	Incremental	active	The total number of activate messages received by the system for interface s2a.	This counter is incremented when activate message is received by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	trace-recv-deactivate	INT32	Incremental	active	The total number of deactivate messages received by the system for interface s2a.	This counter is incremented when deactivate message is received by the system for interface s2a.	Per EGTPC service instance	Standard
pgw-egtpc-s2a	IncSigPkt	INT64	Incremental	active	The total number of incoming signalling packets received on the interface s2a.	This counter is incremented when signaling packets are received on the interface s2a	Per EGTPC service instance	Standard
pgw-egtpc-s2a	IncSigOct	INT64	Incremental	active	The total number of incoming signalling octets received on the interface s2a.	This counter is incremented when signaling octets are recevied on the interface s2a	Per EGTPC service instance	Standard
pgw-egtpc-s2a	OutSigPkt	INT64	Incremental	active	The total number of outgoing signalling packets sent out on the interface s2a.	This counter is incremented when signaling packets are sent out on the interface s2a	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2a	OutSigOct	INT64	Incremental	active	The total number of outgoing signalling octets sent out on the interface s2a.	This counter is incremented when signaling octets are sent out on the interface s2a	Per EGTPC service instance	Standard
pgw-egtpc-s2b	vpnname	STRING	Primary-key	active	The name of the VPN associated with the interface.	Configuration	Per Context level	Standard
pgw-egtpc-s2b	vpnid	INT32	Primary-key	active	The id of the VPN	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s2b	servname	STRING	Primary-key	active	Egtpc Service Name	Configuration	Per Context level	Standard
pgw-egtpc-s2b	servid	INT32	Primary-key	active	Egtpc Service Id	Generated during System Startup	Per Context level	Standard
pgw-egtpc-s2b	interface-type	STRING	Primary-key	active	Display's the interface type applicable to the schema	Configuration	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-cresessrespReserved	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when create session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when create session response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespErrorInd	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when create session response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when create session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when create session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when create session response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when create session response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when create session response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when create session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when create session response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when create session response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create session response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when create session response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GRE key not found for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Relocation failure for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Denied in RAT for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUERefuses	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespNoMemory	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespReqRejected	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when create session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when create session response message is sent by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Invalid Peer for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when create session response message is sent by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when create session response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create session response - messages sent by the system with cause APN congestion for interface s2b.	This counter is incremented when create session response message is sent by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when create session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-cresessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Create Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespSpare	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when create session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReserved	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when modify bearer response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when modify bearer response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespNewPDNTypedueto NWPref	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespNewPDNTypedueto SingleAddrBearer	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when modify bearer response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when modify bearer response message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when modify bearer response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause GRE key not found for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Relocation failure for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Denied in RAT for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE refuses - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause service denied - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause service denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause unable to page UE - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause no memory - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause no memory - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause user authentication failed - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause apn access denied - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause request rejected - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when modify bearer response denied message is sent by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespPeerNotRespondin g	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespCollisionWithNWInit Req	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUEPageUnableduet oSusp	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespConditionalIEMissin g	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespAPNRestrictionTyp eIncompatible	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespInvalidLenPiggyBac kedMsg	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Invalid message format for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Invalid Message Format for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Invalid Peer for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system with cause APN congestion for interface s2b.	This counter is incremented when modify bearer response message is sent by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when modify bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Modify Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Modify Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerrespSpare	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when modify bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespReserved	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when delete bearer response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when delete bearer response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause GRE key not found for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Relocation failure for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Denied in RAT for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when delete bearer response denied message is received by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE not responding - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause UE refuses - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause service denied - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause service denied - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause unable to page UE - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause no memory - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause no memory - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause user authentication failed - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause apn access denied - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause request rejected - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when delete bearer response denied message is received by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Invalid Peer for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - messages received by the system with cause APN congestion for interface s2b.	This counter is incremented when delete bearer response message is received by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when delete bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Delete Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-delbearerrespSpare	INT32	Incremental	active	The total number of tunnel - delete bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when delete bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReserved	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespLocalDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespErrorInd	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReactivationReq	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReqAccepted	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when delete session response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when delete session response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when delete session response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespInvalidLen	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSystemFailure	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when delete session response message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - delete session response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when delete session response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GRE key not found for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Relocation failure for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Denied in RAT for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUENotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUERefuses	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE refuses - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespServiceDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause service denied - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause service denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause unable to page UE - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespNoMemory	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause no memory - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause no memory - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause user authentication failed - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause apn access denied - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReqRejected	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause request rejected - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when delete session response denied message is sent by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Invalid Peer for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - messages sent by the system with cause APN congestion for interface s2b.	This counter is incremented when delete session response message is sent by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when delete session response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Delete Session Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Delete Session Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-delsessrespSpare	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when delete session response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReserved	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when create bearer response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - create bearer response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when create bearer response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause GRE key not found for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Relocation failure for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Denied in RAT for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when create bearer response denied message is received by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE not responding - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause UE refuses - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause service denied - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause service denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause unable to page UE - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause no memory - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause no memory - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause user authentication failed - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause apn access denied - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause request rejected - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when create bearer response denied message is received by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Invalid Peer for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - messages received by the system with cause APN congestion for interface s2b.	This counter is incremented when create bearer response message is received by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-crebearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when create bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Create Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Create Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-crebearerrespSpare	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when create bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReserved	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespLocalDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespCompleteDetach	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespISRDeactivation	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespErrorInd	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReactivationReq	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPGWNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespNetworkFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReqAccepted	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when update bearer response message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespVersionNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespInvalidLen	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespServiceNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSystemFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - update bearer response - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when update bearer response message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause GRE key not found for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespRelocationFailure	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Relocation failure for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespDeniedinRAT	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Denied in RAT for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when update bearer response denied message is received by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUENotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE not responding - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUERefuses	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause UE refuses - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespServiceDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause service denied - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause service denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause unable to page UE - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespNoMemory	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause no memory - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause no memory - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespUserAuthFailed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause user authentication failed - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause apn access denied - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReqRejected	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause request rejected - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages received by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when update bearer response denied message is received by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespPeerNotResponding	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespUEPageUnableduetoSusp	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespConditionalIEMissing	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespAPNRestrictionTypeIncompatible	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespInvalidLenPiggyBackedMsg	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespDataFwdNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespInvalidRemotePeerReply	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespInvalidPeer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Invalid Peer for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespAPNCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - messages received by the system with cause APN congestion for interface s2b.	This counter is incremented when update bearer response message is received by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-updbearerrespRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when update bearer response denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Update Bearer Response - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Update Bearer Response denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-recv-updbearerrespSpare	INT32	Incremental	active	The total number of tunnel - update bearer response - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when update bearer response denied message is sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReserved	INT32	Incremental	active	The total number of tunnel - modiy bearer failure indication - messages sent by the system with cause Reserved for interface s2b.	This counter is incremented when modiy bearer failure indication message is sent by the system with cause Reserved for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindLocalDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Local Detach for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Local Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindCompleteDetach	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Complete Detach for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Complete Detach for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindRATChng3GPPtoNon3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause RAT Changed from 3GPP to Non-3GPP for interface s2b	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindISRDeactivation	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause ISR Deactivation for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause ISR Deactivation for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindErrorInd	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Error Indication Received from RNC/eNodeB/S4-SGSN for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindIMSIDetachOnly	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause IMSI Detach Only for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause IMSI Detach Only for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReactivationReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Reactivation Requested for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Reactivation Requested for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPDNReconnecttoAPNDisallowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN reconnection to this APN Disallowed for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindAccessChngNon3GPPto3GPP	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Access changed from Non-3GPP to 3GPP for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPDNContnInactivityTmrExpire	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause PDN Connection Inactivity Timer Expires for interface s2b	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPGWNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause PGW Not Responding on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause PGW Not Responding on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindNetworkFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Network Failure on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Network Failure on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindQoSParameterMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause QoS Parameter Mismatch on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause QoS Parameter Mismatch on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReqAccepted	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted on interface S2B	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReqAcceptedPartially	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Accepted Partially on interface S2B	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Accepted Partially on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindNewPDNTypeduetoNWPref	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Network Preference on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Network Preference on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindNewPDNTypeduetoSingleAddrBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause New PDN Type due to Single Address Bearer on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause New PDN Type due to Single Address Bearer on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindCtxtNotExistent	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Context Not Existent on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Context Not Existent on S2B interface.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindInvalidMsgFormat	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid Message Format on interface S2B	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid Message Format on S2B interface.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindVersionNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Version Not Supported By Peer for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Version Not Supported By Peer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindInvalidLen	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Length for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Length for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindServiceNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Service Not Supported for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Service Not Supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindMandatoryIEIncorrect	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Incorrect for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Incorrect for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindMandatoryIEMissing	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Mandatory IE Missing for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Mandatory IE Missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUnrecognizedCause	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause code value of 71, 79, 99 or 118 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSystemFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause System Failure for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause System Failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindNoResourcesAvl	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause No Resources Available for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause No Resources Available for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSemanticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause Semantic error in TFT for interface s2b.	This counter is incremented when modify bearer failure indication message is received by the system with cause Semantic error in TFT for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindSyntacticErrinTFT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages received by the system with cause syntactic error in TFT for interface s2b.	This counter is incremented when modify bearer failure indication message is received by the system with cause syntactic error in TFT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSemanticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Semantic error in pkt filter for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Semantic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSyntacticErrinPktFltr	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntactic error in pkt filter for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntactic error in pkt filter for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindMissingUnkownAPN	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Missing or unknown APN for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Missing or unknown APN for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindGREKeyNotFound	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GRE key not found for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GRE key not found for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindRelocationFailure	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Relocation failure for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Relocation failure for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindDeniedinRAT	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Denied in RAT for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Denied in RAT for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPrefPDNTypeUnsupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Preffered PDN type not supported for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Preffered PDN type not supported for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindAllDynamicAddrOccupied	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause All dynamic addresses are occupied for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause All dynamic addresses are occupied for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUECtxWOTFTActivated	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE context without TFT already activated for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE context without TFT already activated for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindProtTypeNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Protocol type not supported for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Protocol type not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUENotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause UE not responding - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE not responding - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUERefuses	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause UE refuses - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause UE refuses - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindServiceDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause service denied - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause service denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUnabletoPageUE	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause unable to page UE - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause unable to page UE - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindNoMemory	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause no memory - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause no memory - for s2b interface	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindUserAuthFailed	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause user authentication failed - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause user authentication failed - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindAPNAccessDenied	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause apn access denied - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause apn access denied - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReqRejected	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause request rejected - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause request rejected - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPTMSISigMismatch	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause PTMSI signature mismatch - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause PTMSI sig mismatch - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindIMSIIMEINotKnown	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause IMSI/IMEI not known - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause IMSI/IMEI not known - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSemanticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer command - failure indications sent by the system with cause semantic error in TAD operation - for s2b interface	This counter is incremented, when modify bearer command - failure indication is sent by the system with cause semantic error in TAD operation - for s2b interface	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSyntacticErrinTAD	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Syntatic error in TAD operation for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Syntatic error in TAD operation for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindPeerNotResponding	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Remote peer not responding for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Remote peer not responding for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindCollisionWithNWInitReq	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Collision with network initiated request for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Collision with network initiated request for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindUEPageUnabledueto Susp	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Unable to page UE due to Suspension for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Unable to page UE due to Suspension for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindConditionalIEMissi ng	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Conditional IE missing for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Conditional IE missing for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindAPNRestrictionTy peIncompatible	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause APN Restriction type Incompatible for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause APN Restriction type Incompatible for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindInvalidLenPiggyBa ckedMsg	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Invalid overall length of the triggered response and piggybacked initial message for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindDataFwdNotSupp orted	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Data forwarding not supported for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Data forwarding not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindInvalidRemotePee rReply	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause invalid remote peer reply for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause invalid remote peer reply for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindFallbacktoGTPV1	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Fall back to GTPV1 for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Fall back to GTPV1 for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindInvalidPeer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Invalid Peer for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Invalid Peer for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindTempRejectedHOinProgress	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause temporary reject due to handover in progress for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause temporary reject due to handover in progress for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindModNotLimitedtoS1UBearer	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Modify not limited to S1U Bearer for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindReqRejectedPMIPv6reason	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause Request Rejected for a PMIPv6 reason for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindAPNCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - messages sent by the system with cause APN congestion for interface s2b.	This counter is incremented when modify bearer failure indication message is sent by the system with cause APN congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindBearerHandlingNotSupported	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Bearer handling not supported for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Bearer handling not supported for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUEAlreadyReattached	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause UE already re-attached for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause UE already re-attached for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindMultiPDNConforAPNNotAllowed	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Multiple PDN connections for a given APN not allowed for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindTargetAccessRestrictedSubs	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause Target access restricted for the subscriber for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause Target access restricted for the subscriber for interface s2b.	Per egtpc service level	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-modbearerfailindRejectduetoVPLMNPolicy	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause MME-SGSN refuses due to VPLMN Policy for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindGTPCEntityCongestion	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause GTP-C Entity Congestion for interface s2b.	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause GTP-C Entity Congestion for interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindUeTempNotReachableDueToPSM	INT32	Incremental	active	The total number of tunnel - Modify Bearer Failure Indication - denied messages sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	This counter is incremented when the Modify Bearer Failure Indication denied message is sent by the system with the cause UE is temporarily not reachable due to power saving for the interface s2b.	Per egtpc service level	Standard
pgw-egtpc-s2b	tun-sent-modbearerfailindSpare	INT32	Incremental	active	The total number of tunnel - modify bearer failure indication - denied messages sent by the system with cause value 15 or 20-63 or 121-255 for interface s2b	This counter is incremented when modify bearer failure indication denied message is sent by the system with cause value 15 or 20-63 or 121-255	Per Egtpc Service Level	Standard
pgw-egtpc-s2b	tun-recv-cresess	INT32	Incremental	active	The total number of tunnel - create session request messages received by the system on S2B interface	This counter is incremented when create session request message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-retranscresess	INT32	Incremental	active	The total number of tunnel - retransmitted create session request messages received by the system on S2B interface.	This counter is incremented when retransmitted create session request message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-cresessreqDiscard	INT32	Incremental	active	The total number of tunnel - create session request messages discarded by the system on S2B interface	This counter is incremented when create session request message is Discarded on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-cresessresp	INT32	Incremental	active	The total number of tunnel - create session response messages sent by the system on S2B interface	This counter is incremented when create session response message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-cresessrespaccept	INT32	Incremental	active	The total number of tunnel - create session response - accepted messages sent by the system on S2B interface	This counter is incremented when create session response accepted message is sent by the system on S2B interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-cresessrespdenied	INT32	Incremental	active	The total number of tunnel - create session response - denied messages sent by the system on S2B interface	This counter is incremented when create session response denied message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-retranscresessresp	INT32	Incremental	active	The total number of tunnel - retransmitted create session response - messages sent by the system on S2B interface	This counter is incremented when retransmitted create session response message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-modbearreq	INT32	Incremental	active	The total number of tunnel - modify bearer request messages received by the system on S2B interface	This counter is incremented when modify bearer request message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-retransmodbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer request messages received by the system on S2B interface	This counter is incremented when retransmitted modify bearer request message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-modbearreqDiscard	INT32	Incremental	active	The total number of tunnel - modify bearer request messages discarded by the system on S2B interface	This counter is incremented when modify bearer request message is Discarded on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-modbearresp	INT32	Incremental	active	The total number of tunnel - modify bearer response - messages sent by the system on S2B interface.	This counter is incremented when modify bearer response message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-modbearrespaccept	INT32	Incremental	active	The total number of tunnel - modify bearer response - accepted messages sent by the system on S2B interface.	This counter is incremented when Modify bearer response accepted message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-modbearrespdenied	INT32	Incremental	active	The total number of tunnel - modify bearer response - denied messages sent by the system on S2B interface.	This counter is incremented when modify bearer response denied message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-retransmodbearresp	INT32	Incremental	active	The total number of tunnel - retransmitted modify bearer response - messages sent by the system on S2B interface.	This counter is incremented when retransmitted modify bearer response message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delsessreq	INT32	Incremental	active	The total number of tunnel - delete session request messages recieved by the system on S2B interface.	This counter is incremented when delete session request message is received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delsessreqDiscard	INT32	Incremental	active	The total number of tunnel - delete session request messages discarded by the system on S2B interface	This counter is incremented when delete session request message is Discarded on S2B interface	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-delsessresp	INT32	Incremental	active	The total number of tunnel - delete session response messages sent by the system on S2B interface.	This counter is incremented when delete session response message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-delsessrespaccept	INT32	Incremental	active	The total number of tunnel - delete session response - accepted messages sent by the system on S2B interface.	This counter is incremented when delete session response accepted message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-delsessrespdenied	INT32	Incremental	active	The total number of tunnel - delete session response - denied messages sent by the system on S2B interface.	This counter is incremented when delete session response denied message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-crebear	INT32	Incremental	active	The total number of tunnel - create bearer request messages sent by the system on S2B interface.	This counter is incremented when create bearer request message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-retranscrebear	INT32	Incremental	active	The total number of tunnel - retransmitted create bearer request messages sent by the system on S2B interface.	This counter is incremented when retransmitted create bearer request message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-crebearNorsp	INT32	Incremental	active	The total number of tunnel - create bearer request messages received by the system on S2B interface with cause Norsp.	This counter is incremented when create bearer request message request message is received for which there is no response	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-crebearresp	INT32	Incremental	active	The total number of tunnel - create bearer response messages received by the system on S2B interface.	This counter is incremented when create bearer response message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-crebearrespDiscard	INT32	Incremental	active	The total number of tunnel - create bearer request messages discarded by the system on S2B interface	This counter is incremented when create bearer request message is Discarded on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-crebearrespaccept	INT32	Incremental	active	The total number of tunnel - create bearer response - accepted messages received by the system on S2B interface.	This counter is incremented when create bearer response accepted messag is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-crebearrespdenied	INT32	Incremental	active	The total number of tunnel - create bearer response - denied messages received by the system on S2B interface.	This counter is incremented when create bearer response denied message is received by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-updbearreq	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S2B interface.	This counter is incremented when update bearer request messages sent by the system on S2B interface.	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-sent-retransupdbearreq	INT32	Incremental	active	The total number of retransmitted update bearer request messages sent by the system on S2B interface.	This counter is incremented when retransmitted update bearer request messages sent by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-updbearNorsp	INT32	Incremental	active	The total number of update bearer request messages sent by the system on S2B interface for which for which we have not received any response.	This counter is incremented when update bearer request message is sent by the system on S2B interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-updbearresp	INT32	Incremental	active	The total number of update bearer response messages received by the system on S2B interface.	This counter is incremented when update bearer response messages received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-updbearrespDiscard	INT32	Incremental	active	The total number of update bearer response messages discarded by the system on S2B interface.	This counter is incremented when update bearer response messages discarded by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-updbearrespaccept	INT32	Incremental	active	The total number of update bearer response - accepted messages received by the system on S2B interface.	This counter is incremented when update bearer response messages with accepted cause is received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-updbearrespdenied	INT32	Incremental	active	The total number of update bearer response - denied messages received by the system on S2B interface.	This counter is incremented when update bearer response - denied messages received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-delbearreq	INT32	Incremental	active	The total number of tunnel - delete bearer request messages sent by the system on S2B interface.	This counter is incremented when delete bearer request message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-retransdelbearreq	INT32	Incremental	active	The total number of tunnel - retransmitted delete bearer request messages sent by the system on S2B interface.	This counter is incremented when retransmitted delete bearer request message is sent by the system on S2B interface	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delbearNorsp	INT32	Incremental	active	The total number of delete bearer request messages sent by the system on S2B interface for which we have not received any response.	This counter is incremented when Delete Bearer Request message is sent by the system on S2B interface and we have not received any response.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delbearresp	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S2B interface.	This counter is incremented when Delete Bearer Response message is received by system on S2B interface .	Per egtpc service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	tun-recv-delbearrespDiscard	INT32	Incremental	active	The total number of delete bearer response messages received by the system on S2B interface for which we dont have any transaction.	This counter is incremented when Delete Bearer Response message is received by the system on S2B interface for which we dont have any transaction.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delbearrespaccept	INT32	Incremental	active	The total number of delete bearer response - accepted messages received by the system on S2B interface.	This counter is incremented when Delete Bearer Response message with accepted cause is received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-delbearrespdenied	INT32	Incremental	active	The total number of delete bearer response with Reject Response received by the system on S2B interface.	This counter is incremented when Delete Bearer Response with Reject Response is received by system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-modbearcmd	INT32	Incremental	active	The total number of modify bearer command messages received by the system on S2B interface.	This counter is incremented when modify bearer command messages received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-retransmodbearcmd	INT32	Incremental	active	The total number of retransmitted modify bearer command messages received by the system on S2B interface.	This counter is incremented when retransmitted modify bearer command messages received by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-recv-modbearcmdDiscard	INT32	Incremental	active	The total number of modify bearer command messages discarded by the system on S2B interface.	This counter is incremented when modify bearer command message is discarded by the system on S2B interface.	Per egtpc service	Standard
pgw-egtpc-s2b	tun-sent-modbearfail	INT32	Incremental	active	The total number of modify bearer command - failure indication messages sent by the system for interface s2b.	This counter is incremented when modify bearer command - failure indication messages sent by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	tun-sent-retransmodbearfail	INT32	Incremental	active	The total number of retransmitted modify bearer command - failure indication messages sent by the system for interface s2b.	This counter is incremented when retransmitted modify bearer command - failure indication message is retransmitted by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-sent-echoreq	INT32	Incremental	active	The total number of echo request messages sent by the system for interface s2b.	This counter is incremented when echo request messages sent by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-sent-retransechoreq	INT32	Incremental	active	The total number of - retransmitted echo request messages sent by the system for interface s2b.	This counter is incremented when retransmitted echo request messages sent by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-recv-echoreq	INT32	Incremental	active	The total number of echo request messages received by the system for interface s2b.	This counter is incremented when echo request messages received by the system for interface s2b.	Per EGTPC service instance	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
pgw-egtpc-s2b	path-sent-echoresp	INT32	Incremental	active	The total number of echo response messages sent by the system for interface s2b.	This counter is incremented when echo response messages sent by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-recv-echoresp	INT32	Incremental	active	The total number of echo response messages received by the system for interface s2b.	This counter is incremented when echo response messages received by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-sent-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages sent by the system for interface s2b.	This counter is incremented when of version not supported indication messages sent by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	path-recv-versnotsupp	INT32	Incremental	active	The total number of version not supported indication messages received by the system for interface s2b.	This counter is incremented when version not supported indication messages received by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	trace-recv-activate	INT32	Incremental	active	The total number of activate messages received by the system for interface s2b.	This counter is incremented when activate message is received by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	trace-recv-deactivate	INT32	Incremental	active	The total number of deactivate messages received by the system for interface s2b.	This counter is incremented when deactivate message is received by the system for interface s2b.	Per EGTPC service instance	Standard
pgw-egtpc-s2b	IncSigPkt	INT64	Incremental	active	The total number of incoming signalling packets received on the interface s2b.	This counter is incremented when signaling packets are received on the interface s2b	Per EGTPC service instance	Standard
pgw-egtpc-s2b	IncSigOct	INT64	Incremental	active	The total number of incoming signalling octets received on the interface s2b.	This counter is incremented when signaling octets are recevied on the interface s2b	Per EGTPC service instance	Standard
pgw-egtpc-s2b	OutSigPkt	INT64	Incremental	active	The total number of outgoing signalling packets sent out on the interface s2b.	This counter is incremented when signaling packets are sent out on the interface s2b	Per EGTPC service instance	Standard
pgw-egtpc-s2b	OutSigOct	INT64	Incremental	active	The total number of outgoing signalling octets sent out on the interface s2b.	This counter is incremented when signaling octets are sent out on the interface s2b	Per EGTPC service instance	Standard
flow-kpi	ecs-flow-rule-name	STRING	Primary-key	active	The name of rules eligible for flow checkpointing	Not Applicable	Per Rule	Standard
flow-kpi	ecs-num-active-flow	INT64	Gauge	active	Total number of active flows of the rule	Increments when a new flow starts matching the rule	Per Rule	Standard
flow-kpi	ecs-sr-flow-chkpt-sent	INT64	Incremental	active	Total number of SR flow checkpoint sent for the rule	Increments when an SR flow checkpoint is sent	Per Rule	Standard
flow-kpi	ecs-sr-flow-chkpt-recvd	INT64	Incremental	active	Total number of SR flow checkpoint received for the rule	Increments when an SR flow checkpoint is received	Per Rule	Standard
flow-kpi	ecs-gr-flow-chkpt-sent	INT64	Incremental	active	Total number of GR flow checkpoint sent for the rule	Increments when a GR flow checkpoint is sent	Per Rule	Standard
flow-kpi	ecs-gr-flow-chkpt-recvd	INT64	Incremental	active	Total number of GR flow checkpoint received for the rule	Increments when a GR flow checkpoint is received	Per Rule	Standard
flow-kpi	ecs-sr-flow-chkpt-del-sent	INT64	Incremental	active	Total number of SR delete flow checkpoint sent for the rule	Increments when an SR delete flow checkpoint is sent	Per Rule	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
flow-kpi	ecs-gr-flow-chkpt-del-sent	INT64	Incremental	active	Total number of GR delete flow checkpoint sent for the rule	Increments when a GR delete flow checkpoint is sent	Per Rule	Standard
flow-kpi	ecs-gr-flow-chkpt-del-recvd	INT64	Incremental	active	Total number of GR delete flow checkpoint received for the rule	Increments when a GR delete flow checkpoint is received	Per Rule	Standard
flow-kpi	ecs-flow-lifetime-bucket1	INT64	Incremental	active	Total number of flows of lifetime bucket1.Lifetime value of bucket1 is configurable	Increments when a flow is terminated	Per Rule	Standard
flow-kpi	ecs-flow-lifetime-bucket2	INT64	Incremental	active	Total number of flows of lifetime bucket2.Lifetime value of bucket2 is configurable	Increments when a flow is terminated	Per Rule	Standard
flow-kpi	ecs-flow-lifetime-bucket3	INT64	Incremental	active	Total number of flows of lifetime bucket3.Lifetime value of bucket3 is configurable	Increments when a flow is terminated	Per Rule	Standard
datarate-ippool	sess-datarate-ippool-name	STRING	Primary-key	active	The name of the ip pool	Not Applicable	Per pool	Standard
datarate-ippool	sess-ave-rate-fuser-bps	INT64	Gauge	active	Average data rate of the traffic from user in bps across the ip pools irrespective of utilizing the assigned ip from that pool for sending traffic	Average data rate of the subscriber matching the ip pool from IPv4/IPv6/IPv4 + v6	Per subscriber, across pools	Standard
datarate-ippool	sess-ave-rate-tuser-bps	INT64	Gauge	active	Average data rate of the traffic to user in bps across the ip pools irrespective of utilizing the assigned ip from that pool for sending traffic	Average data rate of the subscriber matching the ip pool from IPv4/IPv6/IPv4 + v6	Per subscriber, across pools	Standard
datarate-ippool	sess-ave-rate-fuser-pps	INT64	Gauge	active	Average data rate of the traffic from user in pps across the ip pools irrespective of utilizing the assigned ip from that pool for sending traffic	Average data rate of the subscriber matching the ip pool from IPv4/IPv6/IPv4 + v6	Per subscriber, across pools	Standard
datarate-ippool	sess-ave-rate-tuser-pps	INT64	Gauge	active	Average data rate of the traffic to user in pps across the ip pools irrespective of utilizing the assigned ip from that pool for sending traffic	Average data rate of the subscriber matching the ip pool from IPv4/IPv6/IPv4 + v6	Per subscriber, across pools	Standard
readdress-server	ecs-readdress-server-ip-address	STRING	Primary-key	active	The IP Address of the server	Not Applicable	Per Server	Standard
readdress-server	ecs-readdress-server-port-number	INT16	Primary-key	active	The port number of the server	Not Applicable	Per Server	Standard
readdress-server	ecs-readdress-server-list-name	STRING	Primary-key	active	The list name of the server	Not Applicable	Per Server	Standard
readdress-server	ecs-readdress-server-total-requests	INT64	Incremental	active	Total number of readdress requesets to the server	Increments when a new readdress request is sent to the server	Per Server	Standard
readdress-server	ecs-readdress-server-failed-requests	INT64	Incremental	active	Total number of failed readdress requests to the server	Increments when a readdress request sent to the server fails	Per Server	Standard
readdress-server	ecs-readdress-server-average-rtt	FLOAT	Gauge	active	Average Round-Trip-Time for the response of the readdress requests sent to the server	Updated when a response to each readdress request is received	Per Server	Standard
cusp	tcpaccl-totflows	INT64	Gauge	active	Total number of TCP accelerated flows.	Increments whenever a flow is TCP accelerated successfully. Decrements whenever a TCP accelerated flow is detected as VPP bypass	Per Active Charging Service.	Standard
cusp	tcpaccl-currflows	INT32	Gauge	active	Number of current TCP accelerated flows.	Increments whenever a flow is TCP accelerated successfully. Decrements whenever a TCP accelerated flow is cleared	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-usr-ipv4totpkts-rx	INT64	Incremental	active	Total number of IPv4 TCP accelerated packets received from the UE.	Increments whenever an IPv4 TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4totbytes-rx	INT64	Incremental	active	Total number of IPv4 TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv4 TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4totpkts-tx	INT64	Incremental	active	Total number of IPv4 TCP accelerated packets sent towards the UE.	Increments whenever an IPv4 TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4totbytes-tx	INT64	Incremental	active	Total number of IPv4 TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv4 TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4totpkts-rx	INT64	Incremental	active	Total number of IPv4 TCP accelerated packets received from the internet.	Increments whenever an IPv4 TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4totbytes-rx	INT64	Incremental	active	Total number of IPv4 TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv4 TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4totpkts-tx	INT64	Incremental	active	Total number of IPv4 TCP accelerated packets sent towards the internet.	Increments whenever an IPv4 TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4totbytes-tx	INT64	Incremental	active	Total number of IPv4 TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv4 TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6totpkts-rx	INT64	Incremental	active	Total number of IPv6 TCP accelerated packets received from the UE.	Increments whenever an IPv6 TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6totbytes-rx	INT64	Incremental	active	Total number of IPv6 TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv6 TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6totpkts-tx	INT64	Incremental	active	Total number of IPv6 TCP accelerated packets sent towards the UE.	Increments whenever an IPv6 TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6totbytes-tx	INT64	Incremental	active	Total number of IPv6 TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv6 TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6totpkts-rx	INT64	Incremental	active	Total number of IPv6 TCP accelerated packets received from the internet.	Increments whenever an IPv6 TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-inet-ipv6totbytes-rx	INT64	Incremental	active	Total number of IPv6 TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv6 TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6totpkts-tx	INT64	Incremental	active	Total number of IPv6 TCP accelerated packets sent towards the internet.	Increments whenever an IPv6 TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6totbytes-tx	INT64	Incremental	active	Total number of IPv6 TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv6 TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-tot-subs	INT64	Incremental	active	Total number of subscribers with atleast one TCP accelerated flow.	Increments once for a subscriber, when a flow for the subscriber is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-curr-subs	INT32	Gauge	active	Current number of active subscribers with atleast one TCP accelerated flow.	Increments once for a subscriber, when a flow for the subscriber is TCP accelerated. Decrements when all active TCP accelerated flows are cleared for the subscriber.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-tot-tcp-flows	INT64	Incremental	active	Total number of TCP accelerated IPv4 flows.	Increments when a IPV4 flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-tot-tcp-flows	INT64	Incremental	active	Total number of TCP accelerated IPv4 flows.	Increments when a IPV6 flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-tot-tcp-flows	INT64	Incremental	active	Total number of TCP accelerated IPv6 flows.	Increments when a IPV6 flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-tot-http-flows	INT64	Incremental	active	Total number of TCP accelerated IPv4 HTTP flows.	Increments when a IPV4 HTTP flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-tot-http-flows	INT64	Incremental	active	Total number of TCP accelerated IPv6 HTTP flows.	Increments when a IPV6 HTTP flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-tot-https-flows	INT64	Incremental	active	Total number of TCP accelerated IPv4 HTTPS flows.	Increments when a IPV4 HTTPS flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-tot-https-flows	INT64	Incremental	active	Total number of TCP accelerated IPv6 HTTPS flows.	Increments when a IPV6 HTTPS flow is TCP accelerated.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-tcp-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv4 flows.	Increments when a IPV4 flow is TCP accelerated. Decrements when a TCP accelerated IPV4 flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-curr-tcp-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv6 flows.	Increments when a IPV6 flow is TCP accelerated. Decrements when a TCP accelerated IPV6 flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-http-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv4 HTTP flows.	Increments when a IPV4 HTTP flow is TCP accelerated. Decrements when a TCP accelerated IPV4 HTTP flow is cleared.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-ipv6-curr-http-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv6 HTTP flows.	Increments when a IPV6 HTTP flow is TCP accelerated. Decrements when a TCP accelerated IPV6 HTTP flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-https-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv4 HTTPS flows.	Increments when a IPV4 HTTPS flow is TCP accelerated. Decrements when a TCP accelerated IPV4 HTTPS flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-curr-https-flows	INT32	Gauge	active	Current number of active TCP accelerated IPv6 HTTPS flows.	Increments when a IPV6 HTTPS flow is TCP accelerated. Decrements when a TCP accelerated IPV6 HTTPS flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-tcp-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPv4 flows.	Increments when a TCP accelerated IPv4 flow becomes idle. Decrements when an idle TCP accelrated IPv4 flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-curr-tcp-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPv6 flows.	Increments when a TCP accelerated IPv6 flow becomes idle. Decrements when an idle TCP accelerated IPv6 flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-http-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPV4 HTTP flows.	Increments when a TCP accelerated IPv4 HTTP flow becomes idle. Decrements when an idle TCP accelerated IPV4 HTTP flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-curr-http-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPV6 HTTP flows.	Increments when a TCP accelerated IPv6 HTTP flow becomes idle. Decrements when an idle TCP accelerated IPV6 HTTP flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-curr-https-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPV4 HTTPS flows.	Increments when a TCP accelerated IPv4 HTTPS flow becomes idle. Decrements when an idle TCP accelerated IPV4 HTTPS flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-curr-https-idleflows	INT32	Gauge	active	Current number of idle TCP accelerated IPV6 HTTPS flows.	Increments when a TCP accelerated IPv6 HTTPS flow becomes idle. Decrements when a idle TCP accelerated IPV6 HTTPS flow is cleared.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-tcp-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv4 flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV4 flow is cleared due to idle timeout.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-ipv6-tcp-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv6 flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV6 flow is cleared due to idle timeout.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-http-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv4 HTTP flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV4 HTTP flow is cleared due to idle timeout.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-http-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv6 HTTP flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV6 HTTP flow is cleared due to idle timeout.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv4-https-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv4 HTTPS flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV4 HTTPS flow is cleared due to idle timeout.	Per Active Charging Service.	Standard
cusp	tcpaccl-ipv6-https-flows-idle-timeout	INT64	Incremental	active	Total number of TCP accelerated IPv6 HTTPS flows that are cleared due to idle timeout.	Increments when a TCP accelerated IPV6 HTTPS flow is cleared due to idle timeout.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-tcpterm-rx	INT64	Incremental	active	Total number of TCP Reset termination request received from UE for TCP accelerated IPV4 flows.	Increments when a TCP Reset termination request received from UE for TCP accelerated IPV4 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-tcpterm-rx	INT64	Incremental	active	Total number of TCP Reset termination request received from UE for TCP accelerated IPV6 flows.	Increments when a TCP Reset termination request received from UE for TCP accelerated IPV6 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-tcpterm-tx	INT64	Incremental	active	Total number of TCP Reset termination request sends towards UE for TCP accelerated IPV4 flows.	Increments when a TCP Reset termination request sends towards UE for TCP accelerated IPV4 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-tcpterm-tx	INT64	Incremental	active	Total number of TCP Reset termination request sends towards UE for TCP accelerated IPV6 flows.	Increments when a TCP Reset termination request sends towards UE for TCP accelerated IPV6 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-tcpterm-rx	INT64	Incremental	active	Total number of TCP Reset termination request received from server for TCP accelerated IPV4 flows.	Increments when a TCP Reset termination request received from server for TCP accelerated IPV4 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-tcpterm-rx	INT64	Incremental	active	Total number of TCP Reset termination request received from server for TCP accelerated IPV6 flows.	Increments when a TCP Reset termination request received from server for TCP accelerated IPV6 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-tcpterm-tx	INT64	Incremental	active	Total number of TCP Reset termination request sends towards server for TCP accelerated IPV4 flows.	Increments when a TCP Reset termination request sends towards server for TCP accelerated IPV4 flows.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-tcpterm-tx	INT64	Incremental	active	Total number of TCP Reset termination request sends towards server for TCP accelerated IPV6 flows.	Increments when a TCP Reset termination request sends towards server for TCP accelerated IPV6 flows.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-usr-ipv4-http-totpkts-rx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated packets received from the UE.	Increments whenever an IPv4 HTTP TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-totbytes-rx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv4 HTTP TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-totpkts-tx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated packets sent towards the UE.	Increments whenever an IPv4 HTTP TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-totbytes-tx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv4 HTTP TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-totpkts-rx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated packets received from the internet.	Increments whenever an IPv4 HTTP TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-totbytes-rx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv4 HTTP TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-totpkts-tx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated packets sent towards the internet.	Increments whenever an IPv4 HTTP TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-totbytes-tx	INT64	Incremental	active	Total number of IPv4 HTTP TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv4 HTTP TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-totpkts-rx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated packets received from the UE.	Increments whenever an IPv6 HTTP TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-totbytes-rx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv6 HTTP TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-totpkts-tx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated packets sent towards the UE.	Increments whenever an IPv6 HTTP TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-totbytes-tx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv6 HTTP TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-inet-ipv6-http-totpkts-rx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated packets received from the internet.	Increments whenever an IPv6 HTTP TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-totbytes-rx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv6 HTTP TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-totpkts-tx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated packets sent towards the internet.	Increments whenever an IPv6 HTTP TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-totbytes-tx	INT64	Incremental	active	Total number of IPv6 HTTP TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv6 HTTP TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-totpkts-rx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated packets received from the UE.	Increments whenever an IPv4 HTTPS TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-totbytes-rx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv4 HTTPS TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-totpkts-tx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated packets sent towards the UE.	Increments whenever an IPv4 HTTPS TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-totbytes-tx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv4 HTTPS TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-totpkts-rx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated packets received from the internet.	Increments whenever an IPv4 HTTPS TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-totbytes-rx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv4 HTTPS TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-totpkts-tx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated packets sent towards the internet.	Increments whenever an IPv4 HTTPS TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-totbytes-tx	INT64	Incremental	active	Total number of IPv4 HTTPS TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv4 HTTPS TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-usr-ipv6-https-totpkts-rx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated packets received from the UE.	Increments whenever an IPv6 HTTPS TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-totbytes-rx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated bytes received from the UE.	Increments with number of IP bytes, when an IPv6 HTTPS TCP accelerated packet is received from the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-totpkts-tx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated packets sent towards the UE.	Increments whenever an IPv6 HTTPS TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-totbytes-tx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated bytes sent towards the UE.	Increments with number of IP bytes, when an IPv6 HTTPS TCP accelerated packet is sent towards the UE.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-totpkts-rx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated packets received from the internet.	Increments whenever an IPv6 HTTPS TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-totbytes-rx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated bytes received from the internet.	Increments with number of IP bytes, when an IPv6 HTTPS TCP accelerated packet is received from the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-totpkts-tx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated packets sent towards the internet.	Increments whenever an IPv6 HTTPS TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-totbytes-tx	INT64	Incremental	active	Total number of IPv6 HTTPS TCP accelerated bytes sent towards the internet.	Increments with number of IP bytes, when an IPv6 HTTPS TCP accelerated packet is sent towards the internet.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the UE for TCP accelerated IPV4 HTTP flows.	Increments when a packet is retransmitted towards the UE for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the UE for TCP accelerated IPV4 HTTP flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the UE for TCP accelerated IPV4 HTTP flows.	Increments when a packet is retransmitted towards the UE for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-http-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the UE for TCP accelerated IPV4 HTTP flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-inet-ipv4-http-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the server for TCP accelerated IPV4 HTTP flows.	Increments when a packet is retransmitted towards the server for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the server for TCP accelerated IPV4 HTTP flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the server for TCP accelerated IPV4 HTTP flows.	Increments when a packet is retransmitted towards the server for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-http-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the server for TCP accelerated IPV4 HTTP flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV4 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the UE for TCP accelerated IPV6 HTTP flows.	Increments when a packet is retransmitted towards the UE for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the UE for TCP accelerated IPV6 HTTP flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the UE for TCP accelerated IPV6 HTTP flows.	Increments when a packet is retransmitted towards the UE for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-http-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the UE for TCP accelerated IPV6 HTTP flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the server for TCP accelerated IPV6 HTTP flows.	Increments when a packet is retransmitted towards the server for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the server for TCP accelerated IPV6 HTTP flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the server for TCP accelerated IPV6 HTTP flows.	Increments when a packet is retransmitted towards the server for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-http-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the server for TCP accelerated IPV6 HTTP flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV6 HTTP flow.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-usr-ipv4-https-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the UE for TCP accelerated IPV4 HTTPS flows.	Increments when a packet is retransmitted towards the UE for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packet received from the UE for TCP accelerated IPV4 HTTPS flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the UE for TCP accelerated IPV4 HTTPS flows.	Increments when a packet is retransmitted to wards the UE for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv4-https-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the UE for TCP accelerated IPV4 HTTPS flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the server for TCP accelerated IPV4 HTTPS flows.	Increments when a packet is retransmitted towards the server for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packet received from the server for TCP accelerated IPV4 HTTPS flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the server for TCP accelerated IPV4 HTTPS flows.	Increments when a packet is retransmitted to wards the server for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv4-https-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the server for TCP accelerated IPV4 HTTPS flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV4 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the UE for TCP accelerated IPV6 HTTPS flows.	Increments when a packet is retransmitted to wards the UE for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the UE for TCP accelerated IPV6 HTTPS flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the UE for TCP accelerated IPV6 HTTPS flows.	Increments when a packet is retransmitted to wards the UE for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-usr-ipv6-https-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the UE for TCP accelerated IPV6 HTTPS flows.	Increments when a retransmitted packet is received from the UE for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
cusp	tcpaccl-inet-ipv6-https-pktsretrans-tx	INT64	Incremental	active	Total number of packets retransmitted towards the server for TCP accelerated IPV6 HTTPS flows.	Increments when a packet is retransmitted to wards the server for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-pktsretrans-rx	INT64	Incremental	active	Total number of retransmitted packets received from the server for TCP accelerated IPV6 HTTPS flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-bytesretrans-tx	INT64	Incremental	active	Total number of bytes retransmitted towards the server for TCP accelerated IPV6 HTTPS flows.	Increments when a packet is retransmitted to wards the server for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
cusp	tcpaccl-inet-ipv6-https-bytesretrans-rx	INT64	Incremental	active	Total number of retransmitted bytes received from the server for TCP accelerated IPV6 HTTPS flows.	Increments when a retransmitted packet is received from the server for TCP accelerated IPV6 HTTPS flow.	Per Active Charging Service.	Standard
up-service-chain	up-svc-chain-name	STRING	Primary-key	active	Name of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-status	INT32	Primary-key	active	status of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-load-status	INT32	Gauge	active	load status of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-associated-calls	INT32	Gauge	active	associated calls of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-associated-flows	INT32	Gauge	active	associated flows of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-sfp-stickiness-miss-count	INT32	Incremental	active	sfp stickiness miss count of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-sfp-not-selected-count	INT32	Incremental	active	sfp not selected count of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-total-uplink-pkts	INT64	Incremental	active	Total Uplink packets of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-total-uplink-bytes	INT64	Incremental	active	Total Uplink bytes of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-total-downlink-pkts	INT64	Incremental	active	Total Downlink packets of up service chain	Not Applicable	Per Service Chain	Standard
up-service-chain	up-svc-chain-total-downlink-bytes	INT64	Incremental	active	Total Downlink bytes of up service chain	Not Applicable	Per Service Chain	Standard
up-appliance-group	up-appl-group-name	STRING	Primary-key	active	Name of up Appliance Group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-status	INT32	Primary-key	active	status of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-load-status	INT32	Gauge	active	load status of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-associated-sfps	INT32	Gauge	active	associated sfps of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-node-down-count	INT32	Incremental	active	node down count of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-num-times-loaded-state	INT32	Incremental	active	numbee of times node down state of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-total-uplink-pkts	INT64	Incremental	active	Total Uplink packets of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-total-uplink-bytes	INT64	Incremental	active	Total Uplink bytes of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-total-downlink-pkts	INT64	Incremental	active	Total Downlink packets of up appliance group	Not Applicable	Per Appliance Group	Standard
up-appliance-group	up-appl-group-total-downlink-bytes	INT64	Incremental	active	Total Downlink bytes of up appliance group	Not Applicable	Per Appliance Group	Standard
user-plane	vpnname	STRING	Primary-key	active	The name of the context configured on the system that is currently facilitating the user-plane-service.	Configuration	Per Context	Standard
user-plane	vpnid	INT32	Primary-key	active	The identification number of the context configured on the system that is currently facilitating the user-plane service. This is an internal reference number.	Generated During System Startup	Per Context	Standard
user-plane	servname	STRING	Primary-key	active	Displays the name of the user-plane-service for which the statistics are displayed.	Configuration	Per user-plane-service	Standard
user-plane	servid	INT32	Primary-key	active	The identification number of the service configured on the system that is currently facilitating the user-plane-service. This is an internal reference number.	Generated During System Startup	Per user-plane-service	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
user-plane	curr-pdn-rat-eutran	INT64	Gauge	active	Total number of EUTRAN PDN.	Increments whenever subscriber of RAT type EUTRAN connects. Decrements when a subscriber of RAT type EUTRAN disconnets or moves to other RAT type.	Per User Plane Service.	Standard
user-plane	curr-pdn-rat-5g-nr	INT64	Gauge	active	Total number of 5G-NR PDN.	Increments whenever subscriber of RAT type 5G-NR connects. Decrements when a subscriber of RAT type 5G-NR disconnets or moves to other RAT type.	Per User Plane Service.	Standard
user-plane	curr-pdn-rat-wlan	INT64	Gauge	active	Total number of WLAN PDN.	Increments whenever subscriber of RAT type WLAN connects. Decrements when a subscriber of RAT type WLAN disconnets or moves to other RAT type.	Per User Plane Service.	Standard
user-plane	curr-pdn-rat-unknown	INT64	Gauge	active	Total number of PDN of Unknown RAT type.	Increments whenever subscriber of unknown RAT type. Decrements when a subscriber of unknown RAT type disconnets or moves to other known RAT type.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-pdn-rat-eutran	INT64	Incremental	active	Total number of uplink packets received on EUTRAN PDN.	Increments whenever an uplink packet is received on EUTRAN PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-pdn-rat-eutran	INT64	Incremental	active	Total bytes received in uplink direction on EUTRAN PDN.	Increments whenever an uplink packet is received on EUTRAN PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-dropped-pdn-rat-eutran	INT64	Incremental	active	Total number of uplink packets dropped on EUTRAN PDN.	Increments whenever an uplink packet, received on EUTRAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-dropped-pdn-rat-eutran	INT64	Incremental	active	Total uplink bytes dropped on EUTRAN PDN.	Increments whenever an uplink packet, received on EUTRAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-pdn-rat-eutran	INT64	Incremental	active	Total number of downlink packets received on EUTRAN PDN.	Increments whenever an downlink packet is received on EUTRAN PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-pdn-rat-eutran	INT64	Incremental	active	Total bytes received in downlink direction on EUTRAN PDN.	Increments whenever an downlink packet is received on EUTRAN PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-dropped-pdn-rat-eutran	INT64	Incremental	active	Total number of downlink packets dropped on EUTRAN PDN.	Increments whenever an downlink packet, received on EUTRAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-dropped-pdn-rat-eutran	INT64	Incremental	active	Total downlink bytes dropped on EUTRAN PDN.	Increments whenever an downlink packet, received on EUTRAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-pdn-rat-5g-nr	INT64	Incremental	active	Total number of uplink packets received on 5G-NR PDN.	Increments whenever an uplink packet is received on 5G-NR PDN.	Per User Plane Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
user-plane	uplink-total-bytes-pdn-rat-5g-nr	INT64	Incremental	active	Total bytes received in uplink direction on 5G-NR PDN.	Increments whenever an uplink packet is received on 5G-NR PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-dropped-pdn-rat-5g-nr	INT64	Incremental	active	Total number of uplink packets dropped on 5G-NR PDN.	Increments whenever an uplink packet, received on 5G-NR PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-dropped-pdn-rat-5g-nr	INT64	Incremental	active	Total uplink bytes dropped on 5G-NR PDN.	Increments whenever an uplink packet, received on 5G-NR PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-pdn-rat-5g-nr	INT64	Incremental	active	Total number of downlink packets received on 5G-NR PDN.	Increments whenever an downlink packet is received on 5G-NR PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-pdn-rat-5g-nr	INT64	Incremental	active	Total bytes received in downlink direction on 5G-NR PDN.	Increments whenever an downlink packet is received on 5G-NR PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-dropped-pdn-rat-5g-nr	INT64	Incremental	active	Total number of downlink packets dropped on 5G-NR PDN.	Increments whenever an downlink packet, received on 5G-NR PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-dropped-pdn-rat-5g-nr	INT64	Incremental	active	Total downlink bytes dropped on 5G-NR PDN.	Increments whenever an downlink packet, received on 5G-NR PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-pdn-rat-wlan	INT64	Incremental	active	Total number of uplink packets received on WLAN PDN.	Increments whenever an uplink packet is received on WLAN PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-pdn-rat-wlan	INT64	Incremental	active	Total number of uplink packets received on WLAN PDN.	Increments whenever an uplink packet is received on WLAN PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-pdn-rat-wlan	INT64	Incremental	active	Total bytes received in uplink direction on WLAN PDN.	Increments whenever an uplink packet is received on WLAN PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-dropped-pdn-rat-wlan	INT64	Incremental	active	Total number of uplink packets dropped on WLAN PDN.	Increments whenever an uplink packet, received on WLAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-dropped-pdn-rat-wlan	INT64	Incremental	active	Total uplink bytes dropped on WLAN PDN.	Increments whenever an uplink packet, received on WLAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-pdn-rat-wlan	INT64	Incremental	active	Total number of downlink packets received on WLAN PDN.	Increments whenever an downlink packet is received on WLAN PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-pdn-rat-wlan	INT64	Incremental	active	Total bytes received in downlink direction on WLAN PDN.	Increments whenever an downlink packet is received on WLAN PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-dropped-pdn-rat-wlan	INT64	Incremental	active	Total number of downlink packets dropped on WLAN PDN.	Increments whenever an downlink packet, received on WLAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-dropped-pdn-rat-wlan	INT64	Incremental	active	Total downlink bytes dropped on WLAN PDN.	Increments whenever an downlink packet, received on WLAN PDN, is dropped.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-pdn-rat-unknown	INT64	Incremental	active	Total number of uplink packets received on unknown RAT PDN.	Increments whenever an uplink packet is received on unknown RAT PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-bytes-pdn-rat-unknown	INT64	Incremental	active	Total bytes received in uplink direction on unknown RAT PDN.	Increments whenever an uplink packet is received on unknown RAT PDN.	Per User Plane Service.	Standard
user-plane	uplink-total-pkts-dropped-pdn-rat-unknown	INT64	Incremental	active	Total number of uplink packets dropped on unknown PDN.	Increments whenever an uplink packet, received on unknown PDN, is dropped.	Per User Plane Service.	Standard

Schema	Counter	Data-type	Statistics-type	Change	Description	Triggers	Availability	Standard or Proprietary
user-plane	uplink-total-bytes-dropped-pdn-rat-unknown	INT64	Incremental	active	Total uplink bytes dropped on unknown PDN.	Increments whenever an uplink packet, received on unknown PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-pdn-rat-unknown	INT64	Incremental	active	Total number of downlink packets received on unknown RAT PDN.	Increments whenever an downlink packet is received on unknown RAT PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-pdn-rat-unknown	INT64	Incremental	active	Total bytes received in downlink direction on unknown RAT PDN.	Increments whenever an downlink packet is received on unknown RAT PDN.	Per User Plane Service.	Standard
user-plane	downlink-total-pkts-dropped-pdn-rat-unknown	INT64	Incremental	active	Total number of downlink packets dropped on unknown PDN.	Increments whenever an downlink packet, received on unknown PDN, is dropped.	Per User Plane Service.	Standard
user-plane	downlink-total-bytes-dropped-pdn-rat-unknown	INT64	Incremental	active	Total downlink bytes dropped on unknown PDN.	Increments whenever an downlink packet, received on unknown PDN, is dropped.	Per User Plane Service.	Standard